

# John Hancock Variable Insurance Trust

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

## Active Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 49.4%</b>		
<b>U.S. Government – 20.7%</b>		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 2,000,000	\$ 1,077,734
1.625%, 11/15/2050	6,500,000	3,872,578
1.875%, 02/15/2041	6,000,000	4,313,672
2.000%, 08/15/2051	3,000,000	1,959,023
2.250%, 05/15/2041 to 02/15/2052	2,554,695	3,389,000
2.500%, 02/15/2045	7,566,000	5,729,176
3.000%, 02/15/2047 to 08/15/2052	7,461,000	6,100,606
3.375%, 08/15/2042 to 11/15/2048	5,925,000	5,253,468
3.625%, 02/15/2053	764,000	705,506
3.875%, 05/15/2043	1,000,000	953,281
4.000%, 11/15/2042	4,927,000	4,788,236
4.125%, 08/15/2053	9,843,000	9,949,120
4.750%, 11/15/2043	16,540,000	17,741,734
U.S. Treasury Notes		
1.125%, 02/15/2031	3,000,000	2,504,180
1.375%, 11/15/2031	4,000,000	3,320,938
1.625%, 05/15/2031	3,000,000	2,573,320
2.875%, 08/15/2028	1,785,000	1,708,231
3.875%, 08/15/2033	5,180,000	5,173,525
4.375%, 11/30/2028 to 11/30/2030	19,855,000	20,381,295
4.500%, 11/15/2033	12,451,000	13,071,605
4.625%, 11/15/2026	1,510,000	1,533,830
		115,265,753
<b>U.S. Government Agency – 28.7%</b>		
Federal Home Loan Mortgage Corp.		
2.000%, 06/01/2036	727,191	654,795
2.500%, 08/01/2051 to 12/01/2051	1,688,003	1,455,094
3.000%, 03/01/2043 to 12/01/2049	4,363,081	3,959,517
3.500%, 10/01/2046 to 04/01/2052	13,486,462	12,566,074
4.000%, 01/01/2041 to 05/01/2052	2,527,013	2,410,594
4.000%, 05/01/2052 to 04/01/2053 (A)	2,154,171	2,041,747
4.500%, 12/01/2037 to 08/01/2053	13,283,401	13,019,847
4.500%, 10/01/2052 (A)	967,635	938,948
5.000%, 09/01/2052 to 08/01/2053	8,880,618	8,819,463
5.000%, 04/01/2053 (A)	960,371	951,101
5.500%, 09/01/2052 to 07/01/2053	2,084,929	2,117,106
Federal National Mortgage Association		
2.000%, 04/01/2037	741,849	667,994
2.459%, 04/01/2034 (B)	998,557	840,024
2.500%, 01/01/2036 to 03/01/2052	8,307,045	7,203,715
3.000%, 01/01/2043 to 03/01/2052	27,100,984	24,350,109
3.500%, 06/01/2042 to 08/01/2052	20,595,612	19,137,255
4.000%, TBA (A)	3,687,000	3,489,398
4.000%, 10/01/2025 to 07/01/2052	22,153,096	21,219,264
4.000%, 06/01/2052 (A)	391,552	370,754
4.500%, 11/01/2037 to 05/01/2053	12,632,521	12,367,302
5.000%, 12/01/2034 to 05/01/2053	12,449,532	12,428,444
5.000%, 07/01/2052 to 08/01/2052 (A)	2,792,527	2,779,895
5.500%, 09/01/2034 to 12/01/2052	3,680,220	3,748,235
5.832%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.606%), 08/01/2034 (C)		
	109,480	110,924
6.000%, 05/01/2035 to 02/01/2036	754,001	781,414
6.372%, (6 month Refinitiv USD IBOR Consumer Cash Fallback Rate + 2.122%), 07/01/2033 (C)		
	10,962	11,113
7.000%, 09/01/2031 to 06/01/2032	59,588	62,124
7.500%, 09/01/2029 to 05/01/2031	6,972	7,318
Government National		
Mortgage Association		
4.000%, 02/15/2041	686,179	665,214
5.000%, 04/15/2035	93,122	93,793
5.500%, 03/15/2035	41,442	42,577

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association (continued)		
6.000%, 03/15/2033 to 06/15/2033	\$ 77,778	\$ 80,362
6.500%, 09/15/2028 to 08/15/2031	10,742	11,022
7.000%, 04/15/2029	14,865	15,304
8.000%, 10/15/2026	6,405	6,530
		159,424,370
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$289,183,235)</b>		
		\$ 274,690,123
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.0%</b>		
<b>Argentina – 0.0%</b>		
Republic of Argentina, GDP-Linked Note		
8.124%, 12/15/2035 (D)*	ARS 19,532,033	350
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$0)</b>		
		\$ 350
<b>CORPORATE BONDS – 36.3%</b>		
<b>Communication services – 3.0%</b>		
AT&T, Inc.		
4.350%, 06/15/2045	\$ 285,000	246,044
C&W Senior Financing DAC		
6.875%, 09/15/2027 (E)	251,000	233,857
Charter Communications Operating LLC		
2.800%, 04/01/2031	400,000	337,385
4.200%, 03/15/2028	1,031,000	990,305
5.750%, 04/01/2048	1,111,000	985,989
6.384%, 10/23/2035	401,000	407,053
Connect Finco SARL		
6.750%, 10/01/2026 (E)	260,000	258,443
Fox Corp.		
3.500%, 04/08/2030 (F)	400,000	369,022
GCI LLC		
4.750%, 10/15/2028 (E)	249,000	228,455
Globo Comunicacao e Participacoes SA		
4.875%, 01/22/2030 (E)	302,000	260,617
Lumen Technologies, Inc.		
7.600%, 09/15/2039	1,000,000	283,600
Match Group Holdings II LLC		
3.625%, 10/01/2031 (E)	81,000	69,986
4.125%, 08/01/2030 (E)	189,000	171,500
Millicom International Cellular SA		
6.250%, 03/25/2029 (E)	214,200	203,024
Netflix, Inc.		
4.375%, 11/15/2026	700,000	696,687
4.875%, 04/15/2028	803,000	813,738
5.375%, 11/15/2029 (E)	80,000	82,650
5.875%, 11/15/2028	779,000	820,118
News Corp.		
3.875%, 05/15/2029 (E)	209,000	192,169
Paramount Global		
4.200%, 05/19/2032	92,000	82,110
4.375%, 03/15/2043	831,000	613,947
4.950%, 05/19/2050	384,000	311,141
Sirius XM Radio, Inc.		
4.000%, 07/15/2028 (E)	213,000	196,992
5.000%, 08/01/2027 (E)	318,000	307,186
Sprint Capital Corp.		
6.875%, 11/15/2028	400,000	433,412
Telesat Canada		
5.625%, 12/06/2026 (E)	112,000	68,685
Time Warner Cable Enterprises LLC		
8.375%, 07/15/2033	300,000	347,363
Time Warner Cable LLC		
5.500%, 09/01/2041	450,000	389,288

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
T-Mobile USA, Inc.		
2.875%, 02/15/2031	\$ 59,000	\$ 51,987
3.875%, 04/15/2030	1,856,000	1,760,048
4.500%, 04/15/2050	300,000	265,065
5.650%, 01/15/2053	265,000	275,911
Total Play Telecomunicaciones SA de CV		
6.375%, 09/20/2028 (E)	278,000	113,067
7.500%, 11/12/2025 (E)	404,000	267,327
Verizon Communications, Inc.		
4.672%, 03/15/2055	397,000	366,114
5.012%, 08/21/2054	335,000	327,820
Vodafone Group PLC		
5.625%, 02/10/2053	173,000	174,438
7.000%, (7.000% to 4-4-29, then 5 Year U.S. Swap Rate + 4.873% to 4-4-49, then 5 Year U.S. Swap Rate + 5.623%), 04/04/2079	212,000	218,573
WarnerMedia Holdings, Inc.		
4.279%, 03/15/2032	497,000	454,856
5.050%, 03/15/2042	143,000	126,066
5.141%, 03/15/2052	1,462,000	1,254,916
WMG Acquisition Corp.		
3.875%, 07/15/2030 (E)	120,000	108,570
Zayo Group Holdings, Inc.		
4.000%, 03/01/2027 (E)(F)	184,000	147,527
6.125%, 03/01/2028 (E)	170,000	124,858
		16,437,909
<b>Consumer discretionary – 3.4%</b>		
Asbury Automotive Group, Inc.		
4.625%, 11/15/2029 (E)	50,000	46,280
4.750%, 03/01/2030	175,000	163,358
AutoNation, Inc.		
4.750%, 06/01/2030	793,000	765,912
AutoZone, Inc.		
3.125%, 04/21/2026	535,000	513,989
Booking Holdings, Inc.		
4.625%, 04/13/2030	624,000	628,669
Brookfield Residential Properties, Inc.		
5.000%, 06/15/2029 (E)	154,000	136,698
CCM Merger, Inc.		
6.375%, 05/01/2026 (E)	89,000	86,775
Century Communities, Inc.		
3.875%, 08/15/2029 (E)	189,000	171,078
Dealer Tire LLC		
8.000%, 02/01/2028 (E)	122,000	120,780
Ford Motor Company		
3.250%, 02/12/2032	200,000	166,341
Ford Motor Credit Company LLC		
4.000%, 11/13/2030	200,000	179,458
4.125%, 08/17/2027	370,000	350,273
5.113%, 05/03/2029	987,000	959,782
6.800%, 05/12/2028	1,580,000	1,650,232
Full House Resorts, Inc.		
8.250%, 02/15/2028 (E)	134,000	125,960
General Motors Company		
5.400%, 10/15/2029 to 04/01/2048	826,000	824,871
General Motors Financial Company, Inc.		
2.400%, 10/15/2028	1,305,000	1,158,505
3.600%, 06/21/2030	1,625,000	1,474,767
Group 1 Automotive, Inc.		
4.000%, 08/15/2028 (E)	140,000	129,831
Hilton Grand Vacations Borrower		
Escrow LLC		
5.000%, 06/01/2029 (E)	178,000	164,213

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Hyundai Capital America		
2.375%, 10/15/2027 (E)	\$ 156,000	\$ 140,501
Jacobs Entertainment, Inc.		
6.750%, 02/15/2029 (E)	104,000	97,760
KB Home		
4.000%, 06/15/2031	215,000	192,559
Lithia Motors, Inc.		
3.875%, 06/01/2029 (E)	101,000	91,208
4.375%, 01/15/2031 (E)	101,000	91,812
4.625%, 12/15/2027 (E)	50,000	48,046
LKQ Corp.		
5.750%, 06/15/2028	100,000	102,347
Macy's Retail Holdings LLC		
5.875%, 04/01/2029 (E)(F)	106,000	101,753
5.875%, 03/15/2030 (E)	93,000	88,358
6.125%, 03/15/2032 (E)	171,000	161,793
Marriott International, Inc.		
2.850%, 04/15/2031	500,000	432,737
McDonald's Corp.		
3.600%, 07/01/2030	500,000	474,274
4.200%, 04/01/2050	500,000	442,211
MDC Holdings, Inc.		
2.500%, 01/15/2031	155,000	127,383
MGM Resorts International		
4.750%, 10/15/2028	370,000	352,533
Midwest Gaming Borrower LLC		
4.875%, 05/01/2029 (E)	252,000	234,360
Mohegan Tribal Gaming Authority		
8.000%, 02/01/2026 (E)	209,000	197,244
NIKE, Inc.		
2.750%, 03/27/2027	500,000	476,149
2.850%, 03/27/2030	500,000	459,704
Nissan Motor Acceptance Company LLC		
1.850%, 09/16/2026 (E)	696,000	625,783
2.000%, 03/09/2026 (E)	176,000	161,730
Resorts World Las Vegas LLC		
4.625%, 04/16/2029 (E)	235,000	204,793
Tapestry, Inc.		
7.700%, 11/27/2030	159,000	167,380
7.850%, 11/27/2033	127,000	135,494
The Home Depot, Inc.		
2.500%, 04/15/2027	500,000	470,987
2.700%, 04/15/2030	500,000	456,661
The Michaels Companies, Inc.		
5.250%, 05/01/2028 (E)	304,000	240,338
7.875%, 05/01/2029 (E)	281,000	176,915
The TJX Companies, Inc.		
3.875%, 04/15/2030	400,000	386,567
4.500%, 04/15/2050	400,000	377,007
Travel + Leisure Company		
4.625%, 03/01/2030 (E)	101,000	90,324
6.000%, 04/01/2027	700,000	696,101
Valvoline, Inc.		
3.625%, 06/15/2031 (E)	492,000	419,878
Yum! Brands, Inc.		
6.875%, 11/15/2037	292,000	320,639
		19,061,101
<b>Consumer staples – 1.0%</b>		
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	348,000	346,865
General Mills, Inc.		
2.875%, 04/15/2030	400,000	361,471
JBS USA LUX SA		
3.625%, 01/15/2032	460,000	394,345
3.750%, 12/01/2031	86,000	74,102

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
JBS USA LUX SA (continued)		
5.125%, 02/01/2028	\$ 155,000	\$ 154,140
5.750%, 04/01/2033	788,000	780,582
Kraft Heinz Foods Company		
4.375%, 06/01/2046	1,123,000	980,142
5.000%, 06/04/2042	175,000	168,569
MARB BondCo PLC		
3.950%, 01/29/2031 (E)	308,000	250,042
NBM US Holdings, Inc.		
6.625%, 08/06/2029 (E)	554,000	543,176
PepsiCo, Inc.		
2.750%, 03/19/2030	500,000	459,310
Pilgrim's Pride Corp.		
6.250%, 07/01/2033	592,000	609,123
Sysco Corp.		
5.950%, 04/01/2030	355,000	377,305
The Estee Lauder Companies, Inc.		
2.600%, 04/15/2030	400,000	354,226
		5,853,398
<b>Energy – 4.9%</b>		
Aker BP ASA		
4.000%, 01/15/2031 (E)	906,000	831,888
Anadarko Petroleum Corp.		
4.500%, 07/15/2044 (F)	400,000	281,736
Antero Midstream Partners LP		
5.375%, 06/15/2029 (E)	178,000	171,124
Antero Resources Corp.		
5.375%, 03/01/2030 (E)	90,000	86,261
Apache Corp.		
5.100%, 09/01/2040	325,000	278,463
Ascent Resources Utica Holdings LLC		
5.875%, 06/30/2029 (E)	241,000	224,215
8.250%, 12/31/2028 (E)	47,000	47,273
Buckeye Partners LP		
3.950%, 12/01/2026	500,000	472,500
Cheniere Energy Partners LP		
4.000%, 03/01/2031	766,000	696,403
4.500%, 10/01/2029	786,000	751,783
Civitas Resources, Inc.		
8.625%, 11/01/2030 (E)	131,000	138,955
Columbia Pipelines Operating Company LLC		
5.927%, 08/15/2030 (E)	105,000	108,572
6.036%, 11/15/2033 (E)	317,000	331,985
ConocoPhillips Company		
5.950%, 03/15/2046	30,000	32,477
Continental Resources, Inc.		
2.875%, 04/01/2032 (E)	196,000	159,002
4.900%, 06/01/2044	595,000	480,833
5.750%, 01/15/2031 (E)	192,000	191,128
Enbridge Energy Partners LP		
7.500%, 04/15/2038	600,000	697,368
Enbridge, Inc.		
5.500%, (5.500% to 7-15-27, then 3 month CME Term SOFR + 3.680% to 7-15-47, then 3 month CME Term SOFR + 4.430%), 07/15/2077	507,000	463,428
5.750%, (5.750% to 7-15-30, then 5 Year CMT + 5.314% to 7-15-50, then 5 Year CMT + 6.064%), 07/15/2080	683,000	630,068
6.250%, (6.250% to 3-1-28, then 3 month CME Term SOFR + 3.903% to 3-1-48, then 3 month CME Term SOFR + 4.653%), 03/01/2078	544,000	502,840

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Enbridge, Inc. (continued)		
8.500%, (8.500% to 1-15-34, then 5 Year CMT + 4.431% to 1-15-54, then 5 Year CMT + 5.181%), 01/15/2084	\$ 171,000	\$ 181,883
Energean Israel Finance, Ltd.		
5.375%, 03/30/2028 (E)	99,000	86,897
5.875%, 03/30/2031 (E)	172,000	144,944
Energy Transfer LP		
4.200%, 04/15/2027	368,000	357,507
5.150%, 03/15/2045	550,000	504,282
5.250%, 04/15/2029	615,000	619,600
5.400%, 10/01/2047	701,000	653,180
5.500%, 06/01/2027	302,000	305,679
6.500%, (6.500% to 11-15-26, then 5 Year CMT + 5.694%), 11/15/2026 (G)	553,000	525,505
7.125%, (7.125% to 5-15-30, then 5 Year CMT + 5.306%), 05/15/2030 (G)	817,000	752,848
Enterprise Products Operating LLC		
5.250%, (5.250% to 8-16-27, then 3 month CME Term SOFR + 3.295%), 08/16/2077	1,018,000	973,217
EQM Midstream Partners LP		
7.500%, 06/01/2027 to 06/01/2030 (E)	61,000	63,835
Hess Corp.		
5.600%, 02/15/2041	400,000	420,066
Hess Midstream Operations LP		
4.250%, 02/15/2030 (E)	78,000	71,760
5.500%, 10/15/2030 (E)	31,000	30,004
Kinder Morgan Energy Partners LP		
7.750%, 03/15/2032	172,000	194,775
Leviathan Bond, Ltd.		
6.500%, 06/30/2027 (E)	366,000	343,441
6.750%, 06/30/2030 (E)	85,000	77,363
MC Brazil Downstream Trading SARL		
7.250%, 06/30/2031 (E)	192,878	151,168
MPLX LP		
4.125%, 03/01/2027	48,000	46,986
4.250%, 12/01/2027	355,000	347,289
4.950%, 09/01/2032	344,000	336,600
5.000%, 03/01/2033	355,000	347,756
Occidental Petroleum Corp.		
6.450%, 09/15/2036	537,000	568,147
6.600%, 03/15/2046	151,000	163,494
6.625%, 09/01/2030	727,000	773,172
ONEOK, Inc.		
5.650%, 11/01/2028	131,000	135,611
6.050%, 09/01/2033	1,005,000	1,064,815
6.100%, 11/15/2032	500,000	531,296
6.625%, 09/01/2053	633,000	708,414
Ovintiv, Inc.		
5.650%, 05/15/2028	104,000	106,115
6.250%, 07/15/2033	104,000	107,512
7.200%, 11/01/2031	55,000	59,683
Parkland Corp.		
4.500%, 10/01/2029 (E)	176,000	161,299
4.625%, 05/01/2030 (E)	172,000	158,240
Petroleos Mexicanos		
7.690%, 01/23/2050	546,000	388,296
8.750%, 06/02/2029	150,000	145,829
Sabine Pass Liquefaction LLC		
4.200%, 03/15/2028	195,000	190,886
4.500%, 05/15/2030	984,000	961,630

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## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Sabine Pass		
Liquefaction LLC (continued)		
5.000%, 03/15/2027	\$ 131,000	\$ 131,565
Southwestern Energy Company		
4.750%, 02/01/2032	129,000	119,352
Sunoco LP		
4.500%, 04/30/2030	192,000	177,756
Targa Resources Corp.		
4.950%, 04/15/2052	668,000	586,033
6.150%, 03/01/2029	521,000	544,808
Targa Resources Partners LP		
4.000%, 01/15/2032	581,000	530,529
The Williams Companies, Inc.		
3.750%, 06/15/2027	526,000	506,980
4.650%, 08/15/2032	476,000	464,007
Valero Energy Corp.		
2.850%, 04/15/2025	400,000	387,000
Var Energi ASA		
8.000%, 11/15/2032 (E)	1,043,000	1,167,743
Venture Global Calcasieu Pass LLC		
3.875%, 08/15/2029 (E)	95,000	86,193
4.125%, 08/15/2031 (E)	158,000	139,199
Venture Global LNG, Inc.		
9.500%, 02/01/2029 (E)	270,000	285,705
Western Midstream Operating LP		
4.050%, 02/01/2030	545,000	509,651
6.150%, 04/01/2033	71,000	73,760
		27,049,607
<b>Financials – 9.6%</b>		
Ally Financial, Inc.		
6.992%, (6.992% to 6-13-28, then Overnight SOFR + 3.260%), 06/13/2029	532,000	549,427
7.100%, 11/15/2027 (F)	387,000	402,228
Ambac Assurance Corp.		
5.100%, 01/25/2024 (E)(G)	131	171
American International Group, Inc.		
6.250%, (6.250% to 3-15-37, then 3 month LIBOR + 2.056%), 03/15/2037	100,000	90,133
Ameriprise Financial, Inc.		
2.875%, 09/15/2026	500,000	478,466
Ares Capital Corp.		
2.150%, 07/15/2026	317,000	288,969
2.875%, 06/15/2028	489,000	433,221
3.250%, 07/15/2025	169,000	161,906
3.875%, 01/15/2026	717,000	688,788
Athene Holding, Ltd.		
3.500%, 01/15/2031	141,000	124,150
Banco Santander SA		
4.379%, 04/12/2028	593,000	575,947
Bank of America Corp.		
2.087%, (2.087% to 6-14-28, then Overnight SOFR + 1.060%), 06/14/2029	472,000	415,982
2.592%, (2.592% to 4-29-30, then Overnight SOFR + 2.150%), 04/29/2031	973,000	838,522
2.687%, (2.687% to 4-22-31, then Overnight SOFR + 1.320%), 04/22/2032	859,000	725,366
2.884%, (2.884% to 10-22-29, then 3 month CME Term SOFR + 1.452%), 10/22/2030	500,000	443,508

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Bank of America Corp. (continued)		
3.419%, (3.419% to 12-20-27, then 3 month CME Term SOFR + 1.302%), 12/20/2028	\$ 1,087,000	\$ 1,023,877
3.846%, (3.846% to 3-8-32, then 5 Year CMT + 2.000%), 03/08/2037	414,000	363,494
3.970%, (3.970% to 3-5-28, then 3 month CME Term SOFR + 1.332%), 03/05/2029	359,000	342,886
6.300%, (6.300% to 3-10-26, then 3 month CME Term SOFR + 4.815%), 03/10/2026 (G)	478,000	479,196
Barclays PLC		
4.375%, (4.375% to 9-15-28, then 5 Year CMT + 3.410%), 03/15/2028 (G)	316,000	245,660
BlackRock, Inc.		
1.900%, 01/28/2031	500,000	421,773
Blackstone Holdings Finance Company LLC		
6.200%, 04/22/2033 (E)	300,000	320,353
Blackstone Private Credit Fund		
2.350%, 11/22/2024	293,000	283,399
2.700%, 01/15/2025	219,000	211,234
3.250%, 03/15/2027	79,000	72,470
4.000%, 01/15/2029	655,000	596,303
7.050%, 09/29/2025	300,000	305,304
7.300%, 11/27/2028 (E)	134,000	139,297
Block, Inc.		
3.500%, 06/01/2031	126,000	111,882
BPCE SA		
4.500%, 03/15/2025 (E)	621,000	609,108
Citigroup, Inc.		
4.412%, (4.412% to 3-31-30, then Overnight SOFR + 3.914%), 03/31/2031	1,000,000	956,445
4.600%, 03/09/2026	506,000	499,487
4.700%, (4.700% to 1-30-25, then Overnight SOFR + 3.234%), 01/30/2025 (G)	337,000	313,439
6.174%, (6.174% to 5-25-33, then Overnight SOFR + 2.661%), 05/25/2034	346,000	358,032
6.250%, (6.250% to 8-15-26, then 3 month CME Term SOFR + 4.779%), 08/15/2026 (G)	320,000	315,839
Citizens Financial Group, Inc.		
3.250%, 04/30/2030	948,000	832,636
CNA Financial Corp.		
2.050%, 08/15/2030	105,000	87,305
CNO Financial Group, Inc.		
5.250%, 05/30/2029	761,000	751,276
Corebridge Financial, Inc.		
6.875%, (6.875% to 12-15-27, then 5 Year CMT + 3.846%), 12/15/2052	135,000	134,542
Credit Agricole SA		
3.250%, 01/14/2030 (E)	589,000	519,921
4.375%, 03/17/2025 (E)	600,000	589,554
6.316%, (6.316% to 10-3-28, then Overnight SOFR + 1.860%), 10/03/2029 (E)	331,000	346,676
Deutsche Bank AG		
2.311%, (2.311% to 11-16-26, then Overnight SOFR + 1.219%), 11/16/2027	535,000	489,199

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Deutsche Bank AG (continued)		
3.742%, (3.742% to 1-7-32, then Overnight SOFR + 2.257%), 01/07/2033	\$ 703,000	\$ 577,103
6.819%, (6.819% to 11-20-28, then Overnight SOFR + 2.510%), 11/20/2029	410,000	431,666
Discover Financial Services		
4.100%, 02/09/2027	117,000	112,275
Fifth Third Bancorp		
8.689%, (3 month CME Term SOFR + 3.295%), 01/29/2024 (C)(G)	410,000	391,669
Fiserv, Inc.		
2.250%, 06/01/2027	400,000	369,883
Huntington Bancshares, Inc.		
6.208%, (6.208% to 8-21-28, then Overnight SOFR + 2.020%), 08/21/2029	381,000	392,861
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	131,475
Jefferies Financial Group, Inc.		
5.875%, 07/21/2028	482,000	494,244
JPMorgan Chase & Co.		
2.522%, (2.522% to 4-22-30, then Overnight SOFR + 2.040%), 04/22/2031	1,151,000	995,312
2.956%, (2.956% to 5-13-30, then 3 month CME Term SOFR + 2.515%), 05/13/2031	1,103,000	969,287
4.600%, (4.600% to 2-1-25, then 3 month CME Term SOFR + 3.125%), 02/01/2025 (G)	923,000	890,067
KKR Group Finance Company XII LLC		
4.850%, 05/17/2032 (E)	500,000	488,960
Lazard Group LLC		
4.375%, 03/11/2029	608,000	588,146
Liberty Mutual Group, Inc.		
3.950%, 05/15/2060 (E)	500,000	359,375
4.125%, (4.125% to 12-15-26, then 5 Year CMT + 3.315%), 12/15/2051 (E)	203,000	170,094
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)	531,000	525,639
M&T Bank Corp.		
5.125%, (5.125% to 11-1-26, then 3 month LIBOR + 3.520%), 11/01/2026 (G)	116,000	100,204
Macquarie Bank, Ltd.		
3.624%, 06/03/2030 (E)	424,000	368,448
MetLife, Inc.		
3.000%, 03/01/2025	300,000	293,450
6.400%, (6.400% to 12-15-36, then 3 month LIBOR + 2.205%), 12/15/2036	292,000	301,131
Morgan Stanley		
2.239%, (2.239% to 7-21-31, then Overnight SOFR + 1.178%), 07/21/2032	203,000	165,697
2.484%, (2.484% to 9-16-31, then Overnight SOFR + 1.360%), 09/16/2036	1,511,000	1,197,600

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Morgan Stanley (continued)		
3.622%, (3.622% to 4-1-30, then Overnight SOFR + 3.120%), 04/01/2031	\$ 1,000,000	\$ 921,226
4.431%, (4.431% to 1-23-29, then 3 month CME Term SOFR + 1.890%), 01/23/2030	70,000	68,178
5.123%, (5.123% to 2-1-28, then Overnight SOFR + 1.730%), 02/01/2029	131,000	131,596
5.164%, (5.164% to 4-20-28, then Overnight SOFR + 1.590%), 04/20/2029	412,000	414,355
5.449%, (5.449% to 7-20-28, then Overnight SOFR + 1.630%), 07/20/2029	205,000	208,885
5.948%, (5.948% to 1-19-33, then 5 Year CMT + 2.430%), 01/19/2038	1,000,000	1,011,294
MSCI, Inc.		
3.625%, 11/01/2031 (E)	712,000	626,659
Nationstar Mortgage Holdings, Inc.		
5.125%, 12/15/2030 (E)	85,000	76,851
5.500%, 08/15/2028 (E)	156,000	150,006
6.000%, 01/15/2027 (E)	99,000	98,258
NatWest Group PLC		
6.000%, (6.000% to 6-29-26, then 5 Year CMT + 5.625%), 12/29/2025 (G)	673,000	650,662
NatWest Markets PLC		
1.600%, 09/29/2026 (E)	877,000	800,336
OneMain Finance Corp.		
9.000%, 01/15/2029	116,000	122,639
PayPal Holdings, Inc.		
2.300%, 06/01/2030	400,000	349,627
Popular, Inc.		
7.250%, 03/13/2028	260,000	267,475
Raymond James Financial, Inc.		
4.950%, 07/15/2046	500,000	466,445
Santander Holdings USA, Inc.		
2.490%, (2.490% to 1-6-27, then Overnight SOFR + 1.249%), 01/06/2028	572,000	523,653
3.244%, 10/05/2026	651,000	613,187
3.450%, 06/02/2025	560,000	543,957
4.400%, 07/13/2027	143,000	138,852
SBL Holdings, Inc.		
5.000%, 02/18/2031 (E)	300,000	246,999
Societe Generale SA		
5.375%, (5.375% to 11-18-30, then 5 Year CMT + 4.514%), 11/18/2030 (E)(G)	287,000	234,804
6.446%, (6.446% to 1-10-28, then 1 Year CMT + 2.550%), 01/10/2029 (E)	1,005,000	1,039,654
Teachers Insurance & Annuity Association of America		
4.270%, 05/15/2047 (E)	695,000	605,083
The Charles Schwab Corp.		
5.643%, (5.643% to 5-19-28, then Overnight SOFR + 2.210%), 05/19/2029	669,000	686,270
6.196%, (6.196% to 11-17-28, then Overnight SOFR + 1.878%), 11/17/2029	639,000	670,086

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
The Goldman Sachs Group, Inc.		
2.615%, (2.615% to 4-22-31, then Overnight SOFR + 1.281%), 04/22/2032	\$ 1,954,000	\$ 1,640,204
2.650%, (2.650% to 10-21-31, then Overnight SOFR + 1.264%), 10/21/2032	337,000	280,826
3.500%, 04/01/2025	500,000	488,628
The PNC Financial Services Group, Inc.		
3.400%, (3.400% to 9-15-26, then 5 Year CMT + 2.595%), 09/15/2026 (G)	867,000	693,535
5.582%, (5.582% to 6-12-28, then Overnight SOFR + 1.841%), 06/12/2029	1,012,000	1,033,588
5.939%, (5.939% to 8-18-33, then Overnight SOFR + 1.946%), 08/18/2034	583,000	606,050
6.250%, (6.250% to 3-15-30, then 7 Year CMT + 2.808%), 03/15/2030 (G)	262,000	244,228
8.679%, (3 month CME Term SOFR + 3.302%), 03/01/2024 (C)(G)	393,000	391,987
Truist Financial Corp.		
5.867%, (5.867% to 6-8-33, then Overnight SOFR + 2.361%), 06/08/2034	602,000	614,097
7.161%, (7.161% to 10-30-28, then Overnight SOFR + 2.446%), 10/30/2029	191,000	206,286
U.S. Bancorp		
5.836%, (5.836% to 6-10-33, then Overnight SOFR + 2.260%), 06/12/2034	659,000	679,774
6.787%, (6.787% to 10-26-26, then Overnight SOFR + 1.880%), 10/26/2027	631,000	658,806
UBS Group AG		
6.301%, (6.301% to 9-22-33, then 1 Year CMT + 2.000%), 09/22/2034 (E)	400,000	423,449
Visa, Inc.		
2.050%, 04/15/2030	400,000	351,472
Wells Fargo & Company		
2.393%, (2.393% to 6-2-27, then Overnight SOFR + 2.100%), 06/02/2028	1,600,000	1,465,480
2.879%, (2.879% to 10-30-29, then 3 month CME Term SOFR + 1.432%), 10/30/2030	1,216,000	1,080,978
3.350%, (3.350% to 3-2-32, then Overnight SOFR + 1.500%), 03/02/2033	1,519,000	1,326,719
5.875%, (5.875% to 6-15-25, then 9.865% thereafter), 06/15/2025 (G)	1,608,000	1,591,239
		53,696,340
<b>Health care – 1.9%</b>		
AbbVie, Inc.		
3.200%, 11/21/2029	1,561,000	1,459,206
AdaptHealth LLC		
5.125%, 03/01/2030 (E)	168,000	131,052
Amgen, Inc.		
5.250%, 03/02/2030	109,000	112,052
Baxter International, Inc.		
3.500%, 08/15/2046	500,000	364,771

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Biogen, Inc.		
2.250%, 05/01/2030	\$ 400,000	\$ 341,211
3.150%, 05/01/2050	500,000	351,081
Cencora, Inc.		
2.800%, 05/15/2030	524,000	469,806
Centene Corp.		
2.450%, 07/15/2028	88,000	78,373
3.000%, 10/15/2030	541,000	468,530
3.375%, 02/15/2030	123,000	110,359
CVS Health Corp.		
3.750%, 04/01/2030	479,000	450,597
5.050%, 03/25/2048	558,000	521,902
5.250%, 01/30/2031	67,000	68,728
DaVita, Inc.		
3.750%, 02/15/2031 (E)	187,000	153,593
4.625%, 06/01/2030 (E)	302,000	263,463
Fresenius Medical Care US Finance III, Inc.		
2.375%, 02/16/2031 (E)	995,000	769,084
Humana, Inc.		
3.125%, 08/15/2029	500,000	462,834
IQVIA, Inc.		
6.250%, 02/01/2029 (E)	320,000	334,063
Pfizer, Inc.		
2.625%, 04/01/2030	500,000	450,977
Royalty Pharma PLC		
1.750%, 09/02/2027	126,000	112,988
Stanford Health Care		
3.310%, 08/15/2030	225,000	207,735
Star Parent, Inc.		
9.000%, 10/01/2030 (E)	132,000	139,109
Teva Pharmaceutical Finance Company LLC		
6.150%, 02/01/2036	49,000	46,893
Thermo Fisher Scientific, Inc.		
4.977%, 08/10/2030	166,000	170,060
Universal Health Services, Inc.		
1.650%, 09/01/2026	545,000	495,864
2.650%, 10/15/2030	568,000	481,623
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	800,000	773,115
5.250%, 06/15/2046	250,000	208,179
Varex Imaging Corp.		
7.875%, 10/15/2027 (E)	149,000	149,822
Viatis, Inc.		
2.700%, 06/22/2030	364,000	308,132
4.000%, 06/22/2050	308,000	216,652
		10,671,854
<b>Industrials – 4.9%</b>		
3M Company		
3.050%, 04/15/2030	500,000	450,660
AerCap Ireland Capital DAC		
1.750%, 01/30/2026	575,000	533,959
2.450%, 10/29/2026	2,029,000	1,878,694
3.000%, 10/29/2028	559,000	510,361
Air Canada 2013-1 Class A Pass Through Trust		
4.125%, 05/15/2025 (E)	146,456	140,964
Air Canada 2017-1 Class B Pass Through Trust		
3.700%, 01/15/2026 (E)	132,751	125,630
Air Canada 2020-1 Class C Pass Through Trust		
10.500%, 07/15/2026 (E)	164,000	178,088

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Air Lease Corp.		
2.100%, 09/01/2028	\$ 208,000	\$ 182,030
2.875%, 01/15/2026	150,000	142,899
3.125%, 12/01/2030	400,000	349,861
3.625%, 12/01/2027	225,000	212,771
Alaska Airlines 2020-1 Class B Pass Through Trust		
8.000%, 08/15/2025 (E)	115,263	115,506
American Airlines 2015-1 Class A Pass Through Trust		
3.375%, 05/01/2027	1,260,400	1,154,250
American Airlines 2016-1 Class A Pass Through Trust		
4.100%, 01/15/2028	544,152	501,211
American Airlines 2016-1 Class AA Pass Through Trust		
3.575%, 01/15/2028	82,028	76,444
American Airlines 2016-3 Class A Pass Through Trust		
3.250%, 10/15/2028	39,025	34,060
American Airlines 2017-1 Class A Pass Through Trust		
4.000%, 02/15/2029	134,505	120,492
American Airlines 2017-1 Class AA Pass Through Trust		
3.650%, 02/15/2029	473,513	438,026
American Airlines 2017-2 Class A Pass Through Trust		
3.600%, 10/15/2029	140,465	122,988
American Airlines 2019-1 Class A Pass Through Trust		
3.500%, 02/15/2032	544,415	462,855
American Airlines 2019-1 Class AA Pass Through Trust		
3.150%, 02/15/2032	542,795	474,536
American Airlines 2019-1 Class B Pass Through Trust		
3.850%, 02/15/2028	101,327	90,539
American Airlines 2021-1 Class A Pass Through Trust		
2.875%, 07/11/2034	445,743	377,852
American Airlines 2021-1 Class B Pass Through Trust		
3.950%, 07/11/2030	603,330	535,498
American Airlines Group, Inc.		
3.750%, 03/01/2025 (E)(F)	500,000	487,255
American Airlines, Inc.		
7.250%, 02/15/2028 (E)	198,000	200,263
APX Group, Inc.		
5.750%, 07/15/2029 (E)	216,000	201,367
Ashtead Capital, Inc.		
2.450%, 08/12/2031 (E)	200,000	162,822
4.375%, 08/15/2027 (E)	200,000	192,023
Beacon Roofing Supply, Inc.		
4.125%, 05/15/2029 (E)	188,000	171,391
BlueLinx Holdings, Inc.		
6.000%, 11/15/2029 (E)	215,000	198,967
British Airways 2018-1 Class A Pass Through Trust		
4.125%, 09/20/2031 (E)	70,992	64,550
British Airways 2020-1 Class A Pass Through Trust		
4.250%, 11/15/2032 (E)	114,549	106,644

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
British Airways 2020-1 Class B Pass Through Trust		
8.375%, 11/15/2028 (E)	\$ 75,047	\$ 77,522
Builders FirstSource, Inc.		
4.250%, 02/01/2032 (E)	221,000	199,338
6.375%, 06/15/2032 (E)	165,000	168,494
Canadian Pacific Railway Company		
2.875%, 11/15/2029	500,000	450,297
Carrier Global Corp.		
2.700%, 02/15/2031	500,000	436,824
Concentrix Corp.		
6.600%, 08/02/2028	636,000	654,124
Delta Air Lines, Inc.		
4.375%, 04/19/2028 (F)	578,000	559,227
4.750%, 10/20/2028 (E)	784,051	771,105
Emerald Debt Merger Sub LLC		
6.625%, 12/15/2030 (E)	171,000	174,654
Flowserve Corp.		
3.500%, 10/01/2030	176,000	155,470
Global Infrastructure Solutions, Inc.		
5.625%, 06/01/2029 (E)	247,000	225,559
HEICO Corp.		
5.250%, 08/01/2028	300,000	306,291
Huntington Ingalls Industries, Inc.		
3.844%, 05/01/2025	450,000	440,513
4.200%, 05/01/2030	422,000	402,170
Ingersoll Rand, Inc.		
5.400%, 08/14/2028	61,000	62,857
JB Poindexter & Company, Inc.		
8.750%, 12/15/2031 (E)	112,000	114,240
JetBlue 2019-1 Class AA Pass Through Trust		
2.750%, 05/15/2032	450,226	379,786
Masco Corp.		
2.000%, 10/01/2030	412,000	339,674
MasTec, Inc.		
4.500%, 08/15/2028 (E)	146,000	137,103
Owens Corning		
3.875%, 06/01/2030	45,000	42,210
3.950%, 08/15/2029	654,000	622,862
Penske Truck Leasing Company LP		
5.875%, 11/15/2027 (E)	400,000	408,837
Prime Security Services Borrower LLC		
3.375%, 08/31/2027 (E)	62,000	57,486
6.250%, 01/15/2028 (E)	173,000	171,991
Regal Rexnord Corp.		
6.050%, 02/15/2026 (E)	428,000	432,731
6.400%, 04/15/2033 (E)	187,000	194,904
The Boeing Company		
3.200%, 03/01/2029	199,000	186,104
5.040%, 05/01/2027	1,033,000	1,042,016
5.150%, 05/01/2030	1,420,000	1,445,576
5.805%, 05/01/2050	400,000	414,220
TransDigm, Inc.		
5.500%, 11/15/2027	190,000	186,148
TriNet Group, Inc.		
3.500%, 03/01/2029 (E)	104,000	93,038
Uber Technologies, Inc.		
4.500%, 08/15/2029 (E)	330,000	314,809
United Airlines 2014-2 Class A Pass Through Trust		
3.750%, 09/03/2026	697,755	664,749
United Airlines 2016-1 Class A Pass Through Trust		
3.450%, 07/07/2028	548,776	489,262

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
United Airlines 2016-1 Class B Pass Through Trust 3.650%, 01/07/2026	\$ 248,071	\$ 234,898
United Airlines 2018-1 Class B Pass Through Trust 4.600%, 03/01/2026	120,379	114,315
United Airlines 2019-1 Class A Pass Through Trust 4.550%, 08/25/2031	501,571	444,506
United Airlines 2020-1 Class A Pass Through Trust 5.875%, 10/15/2027	936,185	947,821
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	167,808	162,544
United Airlines 2023-1 Class A Pass Through Trust 5.800%, 01/15/2036	655,000	664,227
United Airlines, Inc. 4.375%, 04/15/2026 (E)	31,000	30,207
4.625%, 04/15/2029 (E)	70,000	65,466
United Rentals North America, Inc. 3.875%, 11/15/2027	177,000	168,894
US Airways 2012-2 Class A Pass Through Trust 4.625%, 06/03/2025	137,916	134,075
Verisk Analytics, Inc. 4.125%, 03/15/2029	400,000	390,201
		27,174,801
<b>Information technology – 2.8%</b>		
Autodesk, Inc. 2.850%, 01/15/2030	99,000	89,235
Broadcom, Inc. 2.450%, 02/15/2031 (E)	1,000,000	855,063
3.419%, 04/15/2033 (E)	433,000	380,307
4.750%, 04/15/2029	2,024,000	2,028,558
CDW LLC 3.250%, 02/15/2029	119,000	108,813
Consensus Cloud Solutions, Inc. 6.500%, 10/15/2028 (E)	144,000	130,616
Dell International LLC 5.300%, 10/01/2029	913,000	940,209
Foundry JV Holdco LLC 5.875%, 01/25/2034 (E)	548,000	562,869
Gartner, Inc. 4.500%, 07/01/2028 (E)	671,000	636,328
Jabil, Inc. 3.600%, 01/15/2030	180,000	162,956
Marvell Technology, Inc. 2.450%, 04/15/2028	799,000	721,014
Micron Technology, Inc. 2.703%, 04/15/2032	227,000	190,644
4.185%, 02/15/2027	567,000	556,128
4.663%, 02/15/2030	1,000,000	975,986
5.327%, 02/06/2029	1,110,000	1,132,117
6.750%, 11/01/2029	1,537,000	1,660,861
Motorola Solutions, Inc. 2.300%, 11/15/2030	861,000	726,992
2.750%, 05/24/2031	715,000	611,110
NXP BV 3.875%, 06/18/2026	798,000	777,475
Oracle Corp. 2.950%, 04/01/2030	355,000	320,404
5.550%, 02/06/2053	1,000,000	1,000,279

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Qorvo, Inc. 3.375%, 04/01/2031 (E)	\$ 212,000	\$ 181,380
Qualcomm, Inc. 1.650%, 05/20/2032 (F)	566,000	461,638
VeriSign, Inc. 2.700%, 06/15/2031	190,000	162,842
		15,373,824
<b>Materials – 1.4%</b>		
Amcor Flexibles North America, Inc. 3.100%, 09/15/2026	500,000	469,079
Anglo American Capital PLC 4.750%, 04/10/2027 (E)	403,000	397,675
Arsenal AIC Parent LLC 8.000%, 10/01/2030 (E)	111,000	115,813
Braskem Idesa SAPI 6.990%, 02/20/2032 (E)	201,000	117,691
Braskem Netherlands Finance BV 4.500%, 01/31/2030 (E)	770,000	597,646
5.875%, 01/31/2050 (E)	240,000	166,302
Cemex SAB de CV 3.875%, 07/11/2031 (E)	297,000	265,627
5.200%, 09/17/2030 (E)	224,000	215,833
CF Industries, Inc. 4.950%, 06/01/2043	175,000	159,953
First Quantum Minerals, Ltd. 6.875%, 10/15/2027 (E)	302,000	256,653
Freeport-McMoRan, Inc. 4.250%, 03/01/2030	614,000	576,589
5.400%, 11/14/2034	237,000	238,557
5.450%, 03/15/2043	889,000	864,855
Glencore Funding LLC 2.625%, 09/23/2031 (E)	500,000	424,257
Graphic Packaging International LLC 3.500%, 03/01/2029 (E)	198,000	178,276
Hudbay Minerals, Inc. 4.500%, 04/01/2026 (E)	66,000	63,840
Huntsman International LLC 4.500%, 05/01/2029	500,000	481,645
Mauser Packaging Solutions Holding Company 7.875%, 08/15/2026 (E)	140,000	142,475
Methanex Corp. 5.650%, 12/01/2044	450,000	392,319
Newmont Corp. 2.800%, 10/01/2029	142,000	129,561
Novelis Corp. 4.750%, 01/30/2030 (E)	267,000	251,100
Owens-Brockway Glass Container, Inc. 6.625%, 05/13/2027 (E)	130,000	130,016
7.250%, 05/15/2031 (E)	92,000	93,278
Pactiv Evergreen Group Issuer, Inc. 4.000%, 10/15/2027 (E)	312,000	291,720
Sasol Financing USA LLC 5.500%, 03/18/2031	192,000	161,628
Standard Industries, Inc. 3.375%, 01/15/2031 (E)	142,000	122,158
4.375%, 07/15/2030 (E)	149,000	136,840
5.000%, 02/15/2027 (E)	73,000	71,170
Summit Materials LLC 7.250%, 01/15/2031 (E)	122,000	128,552
		7,641,108
<b>Real estate – 1.4%</b>		
American Homes 4 Rent LP 4.250%, 02/15/2028	316,000	306,664



# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
American Tower Corp. 3.550%, 07/15/2027	\$ 484,000	\$ 464,117
3.800%, 08/15/2029	471,000	447,139
American Tower Trust I 3.652%, 03/23/2028 (E)	315,000	297,562
5.490%, 03/15/2028 (E)	359,000	364,132
Brixmor Operating Partnership LP 4.050%, 07/01/2030	500,000	467,226
CoStar Group, Inc. 2.800%, 07/15/2030 (E)	741,000	629,805
Cushman & Wakefield US Borrower LLC 8.875%, 09/01/2031 (E)	20,000	21,195
EPR Properties 4.950%, 04/15/2028 (F)	350,000	331,807
ERP Operating LP 3.375%, 06/01/2025	300,000	293,506
Extra Space Storage LP 2.350%, 03/15/2032	500,000	407,559
GLP Capital LP 3.250%, 01/15/2032	521,000	439,855
4.000%, 01/15/2030	147,000	134,135
5.375%, 04/15/2026	214,000	212,677
Host Hotels & Resorts LP 2.900%, 12/15/2031	500,000	419,493
Iron Mountain Information Management Services, Inc. 5.000%, 07/15/2032 (E)	66,000	60,455
Iron Mountain, Inc. 5.250%, 07/15/2030 (E)	159,000	151,353
SBA Tower Trust 1.884%, 01/15/2026 (E)	500,000	463,881
6.599%, 01/15/2028 (E)	515,000	529,302
VICI Properties LP 3.875%, 02/15/2029 (E)	146,000	134,120
4.125%, 08/15/2030 (E)	160,000	145,748
4.625%, 12/01/2029 (E)	571,000	538,024
5.125%, 05/15/2032	77,000	75,060
Welltower OP LLC 2.700%, 02/15/2027	400,000	374,953
		7,709,768
<b>Utilities – 2.0%</b>		
AES Panama Generation Holdings SRL 4.375%, 05/31/2030 (E)	395,784	332,459
American Electric Power Company, Inc. 5.625%, 03/01/2033	113,000	117,722
Atlantica Transmission Sur SA 6.875%, 04/30/2043 (E)	203,016	200,732
Consolidated Edison Company of New York, Inc. 3.350%, 04/01/2030	500,000	466,201
3.950%, 04/01/2050	500,000	417,251
Constellation Energy Generation LLC 6.125%, 01/15/2034	95,000	101,658
6.500%, 10/01/2053	312,000	351,846
Dominion Energy, Inc. 3.375%, 04/01/2030	604,000	556,054
3.600%, 03/15/2027	500,000	480,355
Duke Energy Corp. 2.450%, 06/01/2030	105,000	91,537
5.750%, 09/15/2033	647,000	684,407
Electricite de France SA 9.125%, (9.125% to 6-15-33, then 5 Year CMT + 5.411%), 03/15/2033 (E)(G)	221,000	246,727

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Emera US Finance LP 3.550%, 06/15/2026	\$ 568,000	\$ 547,257
FirstEnergy Corp. 2.650%, 03/01/2030	194,000	167,602
3.400%, 03/01/2050	82,000	57,792
Georgia Power Company 4.950%, 05/17/2033	175,000	176,412
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	140,000	119,760
NextEra Energy Operating Partners LP 3.875%, 10/15/2026 (E)	168,000	159,956
4.500%, 09/15/2027 (E)	201,000	193,466
NiSource, Inc. 1.700%, 02/15/2031	105,000	85,072
3.600%, 05/01/2030	170,000	158,174
5.250%, 03/30/2028	66,000	67,295
NRG Energy, Inc. 2.450%, 12/02/2027 (E)	554,000	499,478
3.625%, 02/15/2031 (E)	175,000	150,356
3.875%, 02/15/2032 (E)	626,000	535,887
4.450%, 06/15/2029 (E)	412,000	388,740
7.000%, 03/15/2033 (E)	548,000	579,211
10.250%, (10.250% to 3-15-28, then 5 Year CMT + 5.920%), 03/15/2028 (E)(G)	226,000	235,285
Sempra 5.500%, 08/01/2033	534,000	553,469
The Southern Company 5.700%, 03/15/2034	166,000	174,553
Vistra Corp. 8.000%, (8.000% to 10-15-26, then 5 Year CMT + 6.930%), 10/15/2026 (E)(G)	18,000	17,922
Vistra Operations Company LLC 3.700%, 01/30/2027 (E)	1,034,000	979,374
4.300%, 07/15/2029 (E)	950,000	888,864
6.950%, 10/15/2033 (E)	431,000	453,600
		11,236,474
<b>TOTAL CORPORATE BONDS</b> (Cost \$208,633,150)		\$ 201,906,184
<b>CAPITAL PREFERRED SECURITIES – 0.0%</b>		
<b>Financials – 0.0%</b>		
Truist Financial Corp. 6.291%, (Greater of 3 month CME Term SOFR + 0.907% or 4.000%), 12/15/2024 (C)(G)	425,000	295,490
<b>TOTAL CAPITAL PREFERRED SECURITIES</b> (Cost \$357,448)		\$ 295,490
<b>MUNICIPAL BONDS – 0.6%</b>		
Foothill-Eastern Transportation Corridor Agency (California) 4.094%, 01/15/2049	1,000,000	833,917
Golden State Tobacco Securitization Corp. (California) 4.214%, 06/01/2050	231,000	173,813
Sales Tax Securitization Corp. (Illinois) 4.637%, 01/01/2040	445,000	432,617
State Board of Administration Finance Corp. (Florida) 1.705%, 07/01/2027	174,000	157,541
State of Connecticut, GO 2.677%, 07/01/2030	250,000	225,672

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
The School District of Philadelphia (Pennsylvania), GO 5.995%, 09/01/2030	\$ 315,000	\$ 329,934
The School District of Philadelphia (Pennsylvania), GO 6.765%, 06/01/2040	1,010,000	1,084,127
<b>TOTAL MUNICIPAL BONDS (Cost \$3,748,432)</b>		<b>\$ 3,237,621</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 5.8%</b>		
<b>Commercial and residential – 3.5%</b>		
Angel Oak Mortgage Trust LLC Series 2021-2, Class A1, 0.985%, 04/25/2066 (B)(E)	107,131	90,411
Series 2021-4, Class A1, 1.035%, 01/20/2065 (B)(E)	234,209	188,713
Arbor Multifamily Mortgage Securities Trust Series 2020-MF1, Class XA IO 0.952%, 05/15/2053 (E)	4,290,625	191,437
Arroyo Mortgage Trust Series 2021-1R, Class A1 1.175%, 10/25/2048 (B)(E)	173,284	141,422
BAMLL Commercial Mortgage Securities Trust Series 2019-BPR, Class ENM 3.719%, 11/05/2032 (B)(E)	116,000	39,464
<b>BANK</b>		
Series 2019-BN20, Class ASB, 2.933%, 09/15/2062	400,000	376,093
Series 2021-BN34, Class XA IO, 0.975%, 06/15/2063	12,741,567	637,923
BBCMS Mortgage Trust Series 2020-C6, Class A2 2.690%, 02/15/2053	101,000	93,405
BBCMS Trust Series 2015-SRCH, Class D 4.957%, 08/10/2035 (B)(E)	194,000	140,282
Benchmark Mortgage Trust Series 2019-B12, Class A2, 3.001%, 08/15/2052	235,028	215,997
Series 2019-B15, Class XA IO, 0.813%, 12/15/2072	9,805,011	331,225
BMO Mortgage Trust Series 2022-C2, Class A5 4.813%, 07/15/2054 (B)	500,000	495,973
BRAVO Residential Funding Trust Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (B)(E)	113,770	100,343
<b>BX Trust</b>		
Series 2019-OC11, Class A, 3.202%, 12/09/2041 (E)	383,000	338,077
Series 2019-OC11, Class D, 3.944%, 12/09/2041 (B)(E)	300,000	261,110
Series 2022-CLS, Class A, 5.760%, 10/13/2027 (E)	267,000	267,158
CD Mortgage Trust Series 2017-CD3, Class A4 3.631%, 02/10/2050	800,000	742,425
CHL Mortgage Pass-Through Trust Series 2004-HYB2, Class 4A 4.688%, 07/20/2034 (B)	268,888	250,714
Citigroup Commercial Mortgage Trust Series 2018-C5, Class A3, 3.963%, 06/10/2051	408,649	391,274
Series 2018-C5, Class XA IO, 0.666%, 06/10/2051	13,725,248	347,849

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Citigroup Commercial Mortgage Trust (continued) Series 2019-C7, Class XA IO, 0.858%, 12/15/2072	\$ 15,667,943	\$ 603,791
Series 2023-SMRT, Class A, 5.820%, 10/12/2040 (B)(E)	197,000	199,421
Cold Storage Trust Series 2020-ICE5, Class D (1 month CME Term SOFR + 2.214%) 7.572%, 11/15/2037 (C)(E)	491,495	485,674
COLT Mortgage Loan Trust Series 2021-2, Class A1 0.924%, 08/25/2066 (B)(E)	211,451	169,141
COLT Trust Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (B)(E)	362,239	302,934
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2012-CR3, Class XA IO, 0.879%, 10/15/2045	48,505	3
Series 2014-CR15, Class XA IO, 0.405%, 02/10/2047	2,473,128	57
Commercial Mortgage Trust (Citigroup/Deutsche Bank AG) Series 2018-COR3, Class XA IO 0.432%, 05/10/2051	4,970,706	77,861
Commercial Mortgage Trust (Deutsche Bank AG) Series 2013-300P, Class D, 4.394%, 08/10/2030 (B)(E)	307,000	239,043
Series 2013-300P, Class E, 4.394%, 08/10/2030 (B)(E)	200,000	131,022
Series 2017-PANW, Class A, 3.244%, 10/10/2029 (E)	89,000	78,844
Series 2020-CBM, Class A2, 2.896%, 02/10/2037 (E)	169,000	162,064
Series 2020-CX, Class A, 2.173%, 11/10/2046 (E)	500,000	405,476
Commercial Mortgage Trust (Deutsche Bank AG/UBS AG) Series 2014-UBS2, Class XA IO 0.939%, 03/10/2047	1,225,151	71
Credit Suisse Mortgage Capital Certificates Series 2020-NET, Class A, 2.257%, 08/15/2037 (E)	101,564	93,948
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (B)(E)	180,244	153,376
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (B)(E)	159,975	133,169
Series 2021-NQM5, Class A1, 0.938%, 05/25/2066 (B)(E)	119,221	94,379
Series 2021-NQM6, Class A1, 1.174%, 07/25/2066 (B)(E)	294,184	235,162
CSAIL Commercial Mortgage Trust Series 2019-C17, Class A4, 2.763%, 09/15/2052	425,000	368,255
Series 2019-C18, Class E, 2.500%, 12/15/2052 (E)	265,000	151,846
DSL A Mortgage Loan Trust Series 2004-AR3, Class 2A2B (1 month CME Term SOFR + 1.014%) 6.370%, 07/19/2044 (C)	246,917	222,976

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Ellington Financial Mortgage Trust Series 2021-1, Class A1, 0.797%, 02/25/2066 (B)(E)	\$ 73,036	\$ 61,477
Series 2021-2, Class A1, 0.931%, 06/25/2066 (B)(E)	195,890	156,062
Flagstar Mortgage Trust Series 2021-1, Class A2 2.500%, 02/01/2051 (B)(E)	323,253	264,310
FREMF Mortgage Trust Series 2019-KF69, Class B (30 day Average SOFR + 2.414%) 7.745%, 08/25/2029 (C)(E)	87,868	80,234
GCAT Trust Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (B)(E)	133,415	109,067
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (B)(E)	138,169	113,095
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (B)(E)	217,411	178,659
GS Mortgage Securities Trust Series 2013-GC10, Class C, 4.285%, 02/10/2046 (B)(E)	574,774	550,752
Series 2017-485L, Class C, 3.982%, 02/10/2037 (B)(E)	85,000	71,056
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (E)	136,000	128,839
GS Mortgage-Backed Securities Trust Series 2021-NQM1, Class A1 1.017%, 07/25/2061 (B)(E)	100,023	85,185
HarborView Mortgage Loan Trust Series 2007-3, Class ES IO, 0.350%, 05/19/2037 (E)	7,035,111	73,409
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	7,145,557	94,126
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (E)	7,421,615	92,795
Hawaii Hotel Trust Series 2019-MAUI, Class E (1 month CME Term SOFR + 2.207%) 7.568%, 05/15/2038 (C)(E)	300,000	293,584
Hilton Orlando Trust Series 2018-ORL, Class B (1 month CME Term SOFR + 1.347%) 6.709%, 12/15/2034 (C)(E)	1,000,000	991,129
Imperial Fund Mortgage Trust Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (B)(E)	123,288	103,937
JPMorgan Chase Commercial Mortgage Securities Trust Series 2020-ACE, Class A, 3.287%, 01/10/2037 (E)	1,000,000	963,745
Series 2020-NNN, Class AFX, 2.812%, 01/16/2037 (E)	258,000	216,317
MASTR Adjustable Rate Mortgages Trust Series 2004-13, Class 2A1, 5.874%, 04/21/2034 (B)	49,243	46,699
Series 2004-8, Class 5A1, 6.064%, 08/25/2034 (B)	70,265	66,802
MASTR Alternative Loan Trust Series 2004-4, Class 8A1 6.500%, 05/25/2034	144,690	141,769

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Merrill Lynch Mortgage Trust Series 2008-C1, Class X IO 0.000%, 02/12/2051 (E)	\$ 130,318	\$ 1
MFA Trust Series 2021-NQM1, Class A1 1.153%, 04/25/2065 (B)(E)	93,731	85,090
Morgan Stanley Capital I Trust Series 2019-L3, Class XA IO 0.613%, 11/15/2052	20,780,691	581,523
Natixis Commercial Mortgage Securities Trust Series 2018-285M, Class D, 3.790%, 11/15/2032 (B)(E)	135,000	81,029
Series 2018-ALXA, Class C, 4.316%, 01/15/2043 (B)(E)	98,000	79,737
NYMT Loan Trust Series 2022-CP1, Class A1 2.042%, 07/25/2061 (E)	135,055	123,201
OBX Trust Series 2020-EXP2, Class A3, 2.500%, 05/25/2060 (B)(E)	103,173	83,869
Series 2021-NQM2, Class A1, 1.101%, 05/25/2061 (B)(E)	215,874	165,794
Provident Funding Mortgage Trust Series 2020-F1, Class A2 2.000%, 01/25/2036 (B)(E)	276,225	235,868
Sequoia Mortgage Trust Series 2005-3, Class A1 (1 month CME Term SOFR + 0.514%) 5.872%, 05/20/2035 (C)	22,254	20,010
SLG Office Trust Series 2021-OVA, Class D 2.851%, 07/15/2041 (E)	352,000	274,282
Structured Asset Securities Corp. Series 1998-RF2, Class A 4.739%, 07/15/2027 (B)(E)	30,011	29,932
Towd Point Mortgage Trust Series 2015-6, Class M2, 3.750%, 04/25/2055 (B)(E)	1,000,000	957,664
Series 2018-4, Class A1, 3.000%, 06/25/2058 (B)(E)	156,829	145,905
Series 2019-1, Class A1, 3.750%, 03/25/2058 (B)(E)	155,177	148,090
Series 2019-4, Class A1, 2.900%, 10/25/2059 (B)(E)	138,396	129,970
Series 2020-4, Class A1, 1.750%, 10/25/2060 (E)	210,333	184,903
UBS Commercial Mortgage Trust Series 2019-C17, Class XA IO 1.457%, 10/15/2052	5,739,100	352,520
Velocity Commercial Capital Loan Trust Series 2018-2, Class M1 4.260%, 10/26/2048 (B)(E)	135,589	122,326
Verus Securitization Trust Series 2020-5, Class A1 (1.218% to 10-1-24, then 2.218% thereafter), 1.218%, 05/25/2065 (E)	64,749	59,803
Series 2021-3, Class A1, 1.046%, 06/25/2066 (B)(E)	230,000	191,234
Series 2021-4, Class A1, 0.938%, 07/25/2066 (B)(E)	137,904	109,475
Series 2021-5, Class A1, 1.013%, 09/25/2066 (B)(E)	198,775	163,074

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Verus Securitization Trust (continued)		
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (B)(E)	\$ 92,665	\$ 83,859
Washington Mutual Mortgage Pass Through Certificates		
Series 2005-1, Class 6A1 6.500%, 03/25/2035	171,608	144,039
Wells Fargo Commercial Mortgage Trust		
Series 2019-C54, Class A3 2.892%, 12/15/2052	500,000	443,769
		19,829,823
<b>U.S. Government Agency – 2.3%</b>		
Federal Home Loan Mortgage Corp.		
Series 2021-HQA2, Class M2 (30 day Average SOFR + 2.050%), 7.387%, 12/25/2033 (C)(E)	1,000,000	984,879
Series 2021-HQA3, Class M2 (30 day Average SOFR + 2.100%), 7.437%, 09/25/2041 (C)(E)	1,000,000	986,543
Series 290, Class IO, 3.500%, 11/15/2032	591,125	55,097
Series 3387, Class SB IO, 0.967%, 11/15/2037	593,521	46,187
Series 3632, Class AP, 3.000%, 02/15/2040	302,606	289,781
Series K109, Class X1 IO, 1.579%, 04/25/2030	3,099,182	241,803
Series K121, Class X1 IO, 1.022%, 10/25/2030	12,695,247	677,185
Series T-41, Class 3A, 4.357%, 07/25/2032 (B)	36,223	34,610
Federal National Mortgage Association		
Series 2001-50, Class BA, 7.000%, 10/25/2041	3,478	3,529
Series 2002-W3, Class A5, 7.500%, 11/25/2041	39,935	42,623
Series 2011-41, Class KA, 4.000%, 01/25/2041	24,830	24,172
Series 2012-137, Class W1 IO, 3.500%, 12/25/2032	531,088	52,412
Series 2012-21, Class PA, 2.000%, 03/25/2041	421,686	398,727
Series 2012-38, Class PA, 2.000%, 09/25/2041	345,680	316,558
Series 2016-M11, Class X1 IO, 0.431%, 07/25/2026	17,928,852	143,822
Series 2019-M25, Class X IO, 0.126%, 11/25/2029	30,777,373	162,188
Series 2020-R02, Class 2M2 (30 day Average SOFR + 2.114%), 7.452%, 01/25/2040 (C)(E)	103,144	103,928
Series 2021-M8, Class X IO, 0.250%, 11/25/2035	10,232,551	208,607
Series 2021-R01, Class 1M2 (30 day Average SOFR + 1.550%), 6.887%, 10/25/2041 (C)(E)	1,000,000	999,357
Series 2022-22, Class B, 2.000%, 07/25/2054	1,007,717	618,610
Series 2023-R02, Class 1M2 (30 day Average SOFR + 3.350%), 8.687%, 01/25/2043 (C)(E)	1,000,000	1,047,695

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association		
Series 2008-90, Class IO, 2.013%, 12/16/2050	\$ 2,009,079	\$ 249,090
Series 2010-147, Class SA IO, 0.698%, 05/20/2040	236,383	6,418
Series 2010-85, Class SB IO, 1.127%, 03/16/2040	510,899	29,098
Series 2012-114, Class IO, 0.622%, 01/16/2053	251,205	3,904
Series 2012-120, Class IO, 0.641%, 02/16/2053	3,486,160	54,733
Series 2012-70, Class IO, 0.094%, 08/16/2052	4,759	2
Series 2015-86, Class IO, 0.413%, 05/16/2052	21,496,339	307,426
Series 2016-162, Class IO, 0.701%, 09/16/2058	4,619,069	151,423
Series 2016-174, Class IO, 0.891%, 11/16/2056	298,337	11,761
Series 2017-109, Class IO, 0.230%, 04/16/2057	610,475	9,811
Series 2017-124, Class IO, 0.627%, 01/16/2059	546,487	17,238
Series 2017-135, Class IO, 0.718%, 10/16/2058	979,115	37,147
Series 2017-140, Class IO, 0.486%, 02/16/2059	383,400	11,887
Series 2017-159, Class IO, 0.433%, 06/16/2059	9,438,651	257,269
Series 2017-169, Class IO, 0.579%, 01/16/2060	1,830,106	55,603
Series 2017-20, Class IO, 0.527%, 12/16/2058	1,385,294	32,301
Series 2017-22, Class IO, 0.754%, 12/16/2057	184,167	6,491
Series 2017-23, Class IO, 0.606%, 05/16/2059	5,822,089	181,978
Series 2017-41, Class IO, 0.585%, 07/16/2058	499,192	14,090
Series 2017-46, Class IO, 0.645%, 11/16/2057	562,051	19,394
Series 2017-50, Class IO, 0.637%, 01/16/2057	8,552,327	273,144
Series 2017-53, Class IO, 0.529%, 11/16/2056	8,765,109	214,852
Series 2017-61, Class IO, 0.745%, 05/16/2059	317,516	11,513
Series 2018-158, Class IO, 0.787%, 05/16/2061	1,563,770	77,746
Series 2018-35, Class IO, 0.540%, 03/16/2060	1,451,467	51,632
Series 2018-43, Class IO, 0.436%, 05/16/2060	1,298,054	40,921
Series 2018-69, Class IO, 0.615%, 04/16/2060	365,248	15,936
Series 2018-81, Class IO, 0.484%, 01/16/2060	272,087	10,447
Series 2018-85, Class IO, 0.551%, 07/16/2060	5,269,073	163,488
Series 2018-9, Class IO, 0.443%, 01/16/2060	1,612,785	48,475
Series 2019-131, Class IO, 0.802%, 07/16/2061	1,237,698	65,355

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association (continued)		
Series 2020-100, Class IO, 0.784%, 05/16/2062	\$ 1,442,245	\$ 82,045
Series 2020-108, Class IO, 0.847%, 06/16/2062	3,145,617	179,848
Series 2020-114, Class IO, 0.800%, 09/16/2062	3,445,058	203,229
Series 2020-118, Class IO, 0.882%, 06/16/2062	2,460,398	151,648
Series 2020-119, Class IO, 0.602%, 08/16/2062	1,355,320	63,978
Series 2020-120, Class IO, 0.762%, 05/16/2062	788,913	44,396
Series 2020-137, Class IO, 0.796%, 09/16/2062	3,619,097	199,553
Series 2020-143, Class IB IO, 0.871%, 03/16/2062	4,246,782	225,831
Series 2020-150, Class IO, 0.962%, 12/16/2062	2,206,404	149,805
Series 2020-170, Class IO, 0.834%, 11/16/2062	2,916,533	179,618
Series 2020-28, Class IO, 0.820%, 11/16/2061	5,304,996	287,879
Series 2020-92, Class IO, 0.878%, 02/16/2062	3,320,437	208,703
Series 2021-3, Class IO, 0.868%, 09/16/2062	3,660,039	224,662
Series 2021-40, Class IO, 0.824%, 02/16/2063	906,745	55,161
Series 2022-106, Class IO, 0.692%, 02/16/2064	5,659,910	324,845
Series 2022-150, Class IO, 0.822%, 06/16/2064	305,455	19,347
Series 2022-17, Class IO, 0.802%, 06/16/2064	1,996,292	124,539
Series 2022-181, Class IO, 0.716%, 07/16/2064	940,184	63,523
Series 2022-21, Class IO, 0.783%, 10/16/2063	877,568	53,655
Series 2023-30, Class IO, 1.146%, 11/16/2064	1,243,306	93,593
		12,804,744
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$41,729,315)		<b>\$ 32,634,567</b>
<b>ASSET BACKED SECURITIES – 6.3%</b>		
ABPCI Direct Lending Fund I, Ltd.		
Series 2020-1A, Class A 3.199%, 12/20/2030 (E)	113,265	108,023
Aegis Asset Backed Securities Trust		
Series 2004-3, Class M1 (1 month CME Term SOFR + 1.014%) 6.370%, 09/25/2034 (C)	253,201	256,388
Aligned Data Centers Issuer LLC		
Series 2021-1A, Class A2 1.937%, 08/15/2046 (E)	651,000	583,446
Series 2023-2A, Class A2 6.500%, 11/16/2048 (E)	193,000	194,781
AMSR Trust		
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (E)	100,000	92,970
Series 2021-SFR4, Class A 2.117%, 12/17/2038 (E)	105,000	95,453

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Applebee's Funding LLC		
Series 2023-1A, Class A2 7.824%, 03/05/2053 (E)	\$ 175,000	\$ 179,419
Aqua Finance Trust		
Series 2021-A, Class A 1.540%, 07/17/2046 (E)	111,817	99,887
Arby's Funding LLC		
Series 2020-1A, Class A2 3.237%, 07/30/2050 (E)	459,563	419,274
Avis Budget Rental Car Funding AESOP LLC		
Series 2020-2A, Class C 4.250%, 02/20/2027 (E)	430,000	408,640
Series 2023-2A, Class B 6.030%, 10/20/2027 (E)	400,000	402,345
Beacon Container Finance II LLC		
Series 2021-1A, Class A 2.250%, 10/22/2046 (E)	391,667	347,252
BRE Grand Islander Timeshare Issuer LLC		
Series 2019-A, Class A 3.280%, 09/26/2033 (E)	91,007	86,867
Carlyle Global Market Strategies		
Series 2018-4A, Class C (3 month CME Term SOFR + 3.162%) 8.577%, 01/20/2031 (C)(E)	530,000	523,545
Cars Net Lease Mortgage Notes		
Series 2020-1A, Class A1 2.010%, 12/15/2050 (E)	487,500	415,743
CARS-DB4 LP		
Series 2020-1A, Class A1 2.690%, 02/15/2050 (E)	888,399	853,228
Series 2020-1A, Class A4 3.190%, 02/15/2050 (E)	1,234,115	1,181,188
Series 2020-1A, Class B1 4.170%, 02/15/2050 (E)	766,000	732,235
Centex Home Equity Loan Trust		
Series 2005-A, Class M4 (1 month CME Term SOFR + 1.314%) 6.670%, 01/25/2035 (C)	156,736	144,046
CF Hippolyta Issuer LLC		
Series 2020-1, Class A1 1.690%, 07/15/2060 (E)	393,061	363,254
Series 2021-1A, Class A1 1.530%, 03/15/2061 (E)	361,900	323,471
Citibank Credit Card Issuance Trust		
Series 2017-A6, Class A6 (1 month CME Term SOFR + 0.884%) 6.249%, 05/14/2029 (C)	565,000	567,339
CLI Funding VI LLC		
Series 2020-1A, Class A 2.080%, 09/18/2045 (E)	411,693	367,682
CLI Funding VIII LLC		
Series 2021-1A, Class A 1.640%, 02/18/2046 (E)	333,949	294,518
Series 2022-1A, Class A 2.720%, 01/18/2047 (E)	688,107	607,310
ContiMortgage Home Equity Loan Trust		
Series 1995-2, Class A5 8.100%, 08/15/2025	5,287	5,533
Credit-Based Asset Servicing & Securitization LLC		
Series 2006-MH1, Class B1 6.750%, 10/25/2036 (E)	1,638,582	1,600,554
CyrusOne Data Centers Issuer I LLC		
Series 2023-1A, Class A2 4.300%, 04/20/2048 (E)	352,000	321,481

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
DataBank Issuer		
Series 2021-1A, Class A2 2.060%, 02/27/2051 (E)	\$ 225,000	\$ 203,563
DB Master Finance LLC		
Series 2017-1A, Class A2II 4.030%, 11/20/2047 (E)	187,558	177,793
Series 2021-1A, Class A2I 2.045%, 11/20/2051 (E)	674,240	612,730
Series 2021-1A, Class A2II 2.493%, 11/20/2051 (E)	980,000	871,575
Diamond Infrastructure Funding LLC		
Series 2021-1A, Class B 2.355%, 04/15/2049 (E)	1,000,000	874,926
Series 2021-1A, Class C 3.475%, 04/15/2049 (E)	370,000	319,965
Domino's Pizza Master Issuer LLC		
Series 2017-1A, Class A23 4.118%, 07/25/2047 (E)	447,688	426,991
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (E)	1,305,525	1,154,076
Driven Brands Funding LLC		
Series 2019-2A, Class A2 3.981%, 10/20/2049 (E)	960,000	903,644
Series 2020-2A, Class A2 3.237%, 01/20/2051 (E)	288,833	257,643
Series 2021-1A, Class A2 2.791%, 10/20/2051 (E)	424,340	362,892
FirstKey Homes Trust		
Series 2020-SFR1, Class A 1.339%, 08/17/2037 (E)	293,654	273,693
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (E)	167,502	155,259
Series 2020-SFR2, Class D 1.968%, 10/19/2037 (E)	500,000	463,386
Series 2021-SFR1, Class A 1.538%, 08/17/2038 (E)	253,380	229,369
Series 2021-SFR1, Class D 2.189%, 08/17/2038 (E)	246,000	221,550
Series 2022-SFR3, Class A 4.250%, 07/17/2038 (E)	499,526	483,248
Five Guys Holdings, Inc.		
Series 2023-1A, Class A2 7.549%, 01/26/2054 (E)	731,000	735,530
Ford Credit Auto Owner Trust		
Series 2023-2, Class A 5.280%, 02/15/2036 (E)	346,000	353,376
Golub Capital Partners Funding, Ltd.		
Series 2020-1A, Class A2 3.208%, 01/22/2029 (E)	158,944	149,464
Series 2021-1A, Class A2 2.773%, 04/20/2029 (E)	300,158	282,249
HI-FI Music IP Issuer LP		
Series 2022-1A, Class A2 3.939%, 02/01/2062 (E)	294,000	273,472
Hilton Grand Vacations Trust		
Series 2023-1A, Class B 6.110%, 01/25/2038 (E)	450,080	455,160
Home Partners of America Trust		
Series 2021-2, Class A 1.901%, 12/17/2026 (E)	137,620	124,377
ITE Rail Fund Levered LP		
Series 2021-3A, Class A 2.210%, 06/28/2051 (E)	716,393	635,320
Jack in the Box Funding LLC		
Series 2019-1A, Class A23 4.970%, 08/25/2049 (E)	136,150	126,898

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Jack in the Box		
Funding LLC (continued)		
Series 2022-1A, Class A2I 3.445%, 02/26/2052 (E)	\$ 374,420	\$ 344,419
MetroNet Infrastructure Issuer LLC		
Series 2022-1A, Class B 7.460%, 10/20/2052 (E)	400,000	394,277
Series 2023-1A, Class A2 6.560%, 04/20/2053 (E)	205,000	203,041
Navient Private Education Refi Loan Trust		
Series 2019-FA, Class A2 2.600%, 08/15/2068 (E)	131,300	122,245
Navient Student Loan Trust		
Series 2020-2A, Class A1A 1.320%, 08/26/2069 (E)	170,035	145,761
Neighborhoodly Issuer LLC		
Series 2021-1A, Class A2 3.584%, 04/30/2051 (E)	514,800	446,702
Series 2022-1A, Class A2 3.695%, 01/30/2052 (E)	250,538	213,993
New Economy Assets Phase 1 Sponsor LLC		
Series 2021-1, Class A1 1.910%, 10/20/2061 (E)	507,000	443,670
Series 2021-1, Class B1 2.410%, 10/20/2061 (E)	184,000	149,174
NP SPE II LLC		
Series 2019-1A, Class B1 4.313%, 09/20/2049 (E)	500,000	465,293
NRZ Excess Spread-Collateralized Notes		
Series 2021-FHT1, Class A 3.104%, 07/25/2026 (E)	48,686	45,221
Progress Residential Trust		
Series 2021-SFR8, Class B 1.681%, 10/17/2038 (E)	216,000	192,908
Series 2022-SFR3, Class D 4.450%, 04/17/2039 (E)	950,000	896,093
Renaissance Home Equity Loan Trust		
Series 2005-2, Class AF4 5.434%, 08/25/2035	36,343	36,094
Retained Vantage Data Centers Issuer LLC		
Series 2023-1A, Class A2A 5.000%, 09/15/2048 (E)	827,000	773,257
Sesac Finance LLC		
Series 2019-1, Class A2 5.216%, 07/25/2049 (E)	390,660	379,724
SMB Private Education Loan Trust		
Series 2019-B, Class A2A 2.840%, 06/15/2037 (E)	183,590	173,896
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (E)	206,126	185,423
Series 2021-A, Class APT2 1.070%, 01/15/2053 (E)	158,074	138,333
Series 2021-E, Class A1A 1.680%, 02/15/2051 (E)	798,325	721,873
Sonic Capital LLC		
Series 2020-1A, Class A2I 3.845%, 01/20/2050 (E)	307,400	289,427
Series 2021-1A, Class A2I 2.190%, 08/20/2051 (E)	322,575	275,033
Store Master Funding I-VII & XIV		
Series 2019-1, Class A2 3.650%, 11/20/2049 (E)	284,525	222,839

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Sunbird Engine Finance LLC		
Series 2020-1A, Class A		
3.671%, 02/15/2045 (E)	\$ 164,174	\$ 139,893
Taco Bell Funding LLC		
Series 2021-1A, Class A2I		
1.946%, 08/25/2051 (E)	460,793	412,965
TAL Advantage VII LLC		
Series 2020-1A, Class B		
3.290%, 09/20/2045 (E)	329,375	299,551
TIF Funding II LLC		
Series 2021-1A, Class A		
1.650%, 02/20/2046 (E)	707,825	607,665
Tricon American Homes Trust		
Series 2020-SFR2, Class D		
2.281%, 11/17/2039 (E)	500,000	437,410
Trinity Rail Leasing LLC		
Series 2021-1A, Class A		
2.260%, 07/19/2051 (E)	361,085	314,462
Triton Container Finance VIII LLC		
Series 2020-1A, Class A		
2.110%, 09/20/2045 (E)	479,846	426,330
Series 2021-1A, Class A		
1.860%, 03/20/2046 (E)	259,759	226,247
Vantage Data Centers LLC		
Series 2020-1A, Class A2		
1.645%, 09/15/2045 (E)	343,000	317,139
Series 2020-2A, Class A2		
1.992%, 09/15/2045 (E)	312,000	271,239
Series 2021-1A, Class A2		
2.165%, 10/15/2046 (E)	400,000	360,538
VR Funding LLC		
Series 2020-1A, Class A		
2.790%, 11/15/2050 (E)	270,919	242,370
Wendy's Funding LLC		
Series 2019-1A, Class A2II		
4.080%, 06/15/2049 (E)	439,194	407,406
Series 2021-1A, Class A2I		
2.370%, 06/15/2051 (E)	278,824	240,399
Willis Engine Structured Trust V		
Series 2020-A, Class A		
3.228%, 03/15/2045 (E)	128,855	116,147
Zaxby's Funding LLC		
Series 2021-1A, Class A2		
3.238%, 07/30/2051 (E)	274,678	238,051
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$37,040,530)		\$ 35,020,529
<b>COMMON STOCKS – 0.1%</b>		
<b>Energy – 0.0%</b>		
Altera Infrastructure LP (D)	937	26,228
<b>Utilities – 0.1%</b>		
Algonquin Power & Utilities Corp.	7,150	159,225
<b>TOTAL COMMON STOCKS</b> (Cost \$594,865)		\$ 185,453
<b>PREFERRED SECURITIES – 0.0%</b>		
<b>Communication services – 0.0%</b>		
Telephone & Data Systems, Inc., 6.625%	5,925	103,510

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
10-Year U.S. Treasury Note Futures	21	Long	Mar 2024	\$2,369,990	\$2,370,703	\$713

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>PREFERRED SECURITIES (continued)</b>		
<b>Financials – 0.0%</b>		
Wells Fargo & Company, 7.500%	30	\$ 35,869
<b>TOTAL PREFERRED SECURITIES</b> (Cost \$187,013)		\$ 139,379
<b>SHORT-TERM INVESTMENTS – 1.5%</b>		
<b>Short-term funds – 1.5%</b>		
John Hancock Collateral Trust, 5.3645% (H)(I)	834,447	8,344,633
<b>TOTAL SHORT-TERM INVESTMENTS</b> (Cost \$8,345,015)		\$ 8,344,633
<b>Total Investments (Active Bond Trust)</b> (Cost \$589,819,003) – 100.0%		\$ 556,454,329
<b>Other assets and liabilities, net – 0.0%</b>		82,305
<b>TOTAL NET ASSETS – 100.0%</b>		\$ 556,536,634

### Currency Abbreviations

ARS Argentine Peso

### Security Abbreviations and Legend

CME	CME Group Published Rates
CMT	Constant Maturity Treasury
GO	General Obligation
IBOR	Interbank Offered Rate
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)	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.
(C)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(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 \$96,405,056 or 17.3% of the fund's net assets as of 12-31-23.
(F)	All or a portion of this security is on loan as of 12-31-23.
(G)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(H)	The rate shown is the annualized seven-day yield as of 12-31-23.
(I)	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 \$1,838,055.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

# John Hancock Variable Insurance Trust

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

## Active Bond Trust (continued)

### FUTURES (continued)

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
Ultra U.S. Treasury Bond Futures	4	Long	Mar 2024	\$488,009	\$534,375	\$46,366
						<b>\$47,079</b>

<sup>^</sup> 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
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 54.9%</b>		
<b>U.S. Government – 25.7%</b>		
U.S. Treasury Bonds		
1.125%, 05/15/2040 to 08/15/2040	\$ 25,310,000	\$ 16,160,342
1.375%, 11/15/2040	25,838,000	17,142,902
1.625%, 11/15/2050	3,054,000	1,819,516
1.750%, 08/15/2041	17,416,000	12,112,284
2.000%, 11/15/2041 to 08/15/2051	13,292,000	9,433,600
2.375%, 02/15/2042	1,260,000	966,755
2.875%, 05/15/2052	2,062,000	1,641,706
3.000%, 08/15/2052	3,639,000	2,975,878
3.625%, 02/15/2053 to 05/15/2053	7,166,000	6,618,552
3.875%, 05/15/2043	3,896,000	3,713,984
4.125%, 08/15/2053	6,045,000	6,110,173
4.375%, 08/15/2043	890,000	908,495
4.750%, 11/15/2043	998,000	1,070,511
4.750%, 11/15/2053 (A)	2,421,000	2,714,925
U.S. Treasury Notes		
0.375%, 07/31/2027	5,865,000	5,173,113
0.750%, 05/31/2026	4,000	3,692
1.000%, 07/31/2028	2,988,000	2,628,156
1.125%, 08/31/2028	615,000	542,978
1.500%, 08/15/2026	2,988,000	2,796,581
2.000%, 11/15/2026	2,538,000	2,399,401
2.375%, 03/31/2029	5,921,000	5,497,047
2.625%, 07/31/2029	642,000	601,173
2.750%, 07/31/2027	3,203,000	3,074,630
2.875%, 08/15/2028	2,107,000	2,016,383
3.250%, 06/30/2029	8,751,000	8,469,669
3.500%, 09/15/2025	4,209,000	4,147,016
3.750%, 12/31/2028	13,312,000	13,250,640
3.875%, 04/30/2025 to 11/30/2027	1,809,000	1,804,889
4.000%, 02/28/2030	3,703,000	3,720,502
4.125%, 01/31/2025	3,613,000	3,590,419
4.250%, 05/31/2025 to 10/15/2025	4,527,000	4,510,395
4.375%, 10/31/2024 to 11/30/2030	13,322,000	13,488,569
4.375%, 11/30/2028 (A)	6,318,000	6,465,091
4.500%, 11/30/2024 to 11/15/2033	6,077,000	6,377,653
4.625%, 11/15/2026	3,250,000	3,301,289
4.875%, 11/30/2025 to 10/31/2028	18,026,000	18,540,802
5.000%, 08/31/2025 to 09/30/2025	9,764,000	9,859,376
		<b>205,649,087</b>
<b>U.S. Government Agency – 29.2%</b>		
Federal Home Loan Bank		
1.250%, (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	1,251,305

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan Mortgage Corp.		
2.000%, 07/01/2032 to 12/01/2051	\$ 16,822,541	\$ 14,438,768
2.500%, 04/01/2042 to 03/01/2052	6,099,109	5,349,718
2.983%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.642%), 05/01/2049 (B)	261,906	261,762
3.000%, 09/01/2033 (A)	305,102	290,058
3.000%, 04/01/2040 to 02/01/2047	6,428,312	5,881,258
3.067%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.633%), 02/01/2050 (B)	564,171	559,840
3.130%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.640%), 11/01/2048 (B)	425,323	418,120
3.913%, (30 day Average SOFR + 2.130%), 07/01/2052 (B)	382,279	368,416
3.970%, (30 day Average SOFR + 2.140%), 08/01/2052 (B)	504,077	477,799
4.000%, 07/01/2049 to 03/01/2050	3,058,107	2,963,147
4.123%, (30 day Average SOFR + 2.380%), 09/01/2052 (B)	260,096	252,162
4.124%, 12/14/2029 (C)	1,179,000	923,564
4.186%, (30 day Average SOFR + 2.304%), 05/01/2053 (B)	1,461,625	1,428,872
4.299%, (30 day Average SOFR + 2.130%), 07/01/2052 (B)	451,282	440,377
4.500%, 06/01/2039 to 07/01/2039	83,144	81,235
5.129%, (30 day Average SOFR + 2.215%), 08/01/2053 (B)	304,068	304,374
5.197%, (30 day Average SOFR + 2.301%), 06/01/2053 (B)	284,658	285,378
5.218%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.638%), 03/01/2049 (B)	325,512	327,552
5.712%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.637%), 04/01/2048 (B)	779,182	788,078
5.942%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.730%), 01/01/2044 (B)	127,276	129,033
6.263%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.679%), 09/01/2047 (B)	356,553	361,563
6.809%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.642%), 08/01/2043 (B)	58,364	58,946
6.840%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.637%), 09/01/2045 (B)	542,010	547,917



# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan		
Mortgage Corp. (continued)		
6.881%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.635%), 07/01/2043 (B)	\$ 36,693	\$ 37,247
7.036%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.645%), 10/01/2043 (B)	63,354	64,229
7.043%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.650%), 03/01/2043 (B)	57,768	58,404
7.171%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.603%), 09/01/2043 (B)	32,754	33,238
7.188%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.629%), 11/01/2043 (B)	47,142	47,593
7.345%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.674%), 02/01/2043 (B)	88,357	89,526
7.431%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.609%), 10/01/2043 (B)	61,835	62,550
7.461%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.770%), 09/01/2042 (B)	53,358	54,383
Federal National Mortgage Association		
1.500%, 11/01/2041 to 07/01/2051	6,330,361	5,077,833
1.520%, 08/21/2035	1,478,000	1,086,877
1.900%, 01/25/2036	1,322,000	1,007,194
2.000%, 03/01/2028 to 03/01/2047	43,121,269	36,937,319
2.000%, 10/01/2040 (A)	2,254,934	1,942,128
2.500%, 12/01/2040 to 03/01/2052	10,246,464	9,042,066
2.778%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.606%), 06/01/2050 (B)	387,872	358,022
3.000%, 11/01/2039 to 07/01/2060	59,781,263	54,376,010
3.044%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.603%), 03/01/2050 (B)	907,065	901,723
3.500%, 05/01/2037 to 04/01/2050	16,619,783	15,634,900
3.677%, (30 day Average SOFR + 2.370%), 08/01/2052 (B)	541,796	519,347
3.962%, (30 day Average SOFR + 2.120%), 08/01/2052 (B)	215,696	205,094
4.000%, 01/01/2027 to 05/01/2049	9,411,974	9,202,097
4.000%, 04/01/2045 (A)	4,145,406	3,995,495
4.122%, (30 day Average SOFR + 2.120%), 09/01/2052 (B)	750,735	735,923
4.132%, (30 day Average SOFR + 2.120%), 07/01/2052 (B)	768,269	736,561
4.147%, (30 day Average SOFR + 2.132%), 10/01/2052 (B)	1,816,871	1,781,571
4.213%, (30 day Average SOFR + 2.370%), 09/01/2052 (B)	246,019	239,977
4.222%, (30 day Average SOFR + 2.127%), 11/01/2052 (B)	638,425	627,046
4.250%, 11/15/2030 (C)	3,465,000	2,591,998
4.295%, (30 day Average SOFR + 2.126%), 08/01/2052 (B)	985,231	965,128
4.355%, (30 day Average SOFR + 2.125%), 07/01/2052 (B)	919,155	902,175
4.489%, (30 day Average SOFR + 2.120%), 11/01/2052 (B)	388,565	384,616

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
4.500%, 06/01/2041 to 11/01/2048	\$ 2,146,250	\$ 2,137,286
4.616%, (30 day Average SOFR + 2.125%), 08/01/2052 (B)	1,062,636	1,051,832
4.630%, (30 day Average SOFR + 2.123%), 08/01/2052 (B)	816,522	799,592
4.649%, (30 day Average SOFR + 2.130%), 08/01/2052 (B)	837,855	830,199
4.793%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.582%), 01/01/2046 (B)	636,854	648,746
5.391%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.578%), 06/01/2045 (B)	253,138	257,039
6.000%, TBA (A)	2,600,000	2,641,438
6.500%, TBA (A)	8,200,000	8,401,150
6.723%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.560%), 06/01/2043 (B)	40,684	41,279
6.952%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.560%), 03/01/2043 (B)	9,465	9,592
7.000%, TBA (A)	8,700,000	8,972,306
7.138%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.582%), 10/01/2043 (B)	132,699	134,548
7.357%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.664%), 01/01/2043 (B)	38,048	38,671
Government National		
Mortgage Association		
2.500%, 12/20/2037 to 06/20/2038	2,032,470	1,871,853
3.000%, 06/20/2043 to 10/20/2050	7,471,918	6,780,171
3.500%, 01/20/2048	437,386	409,024
4.000%, 03/20/2048 to 04/20/2048	573,923	551,355
4.500%, 08/15/2047 to 02/20/2049	570,078	563,301
6.000%, 01/20/2053	1,510,709	1,561,865
6.500%, TBA (A)	8,500,000	8,699,476
		234,288,235
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS</b>		
(Cost \$452,314,340)		\$ 439,937,322
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.7%</b>		
<b>Australia – 0.1%</b>		
Export Finance & Insurance Corp.		
4.625%, 10/26/2027 (D)	1,045,000	1,062,982
<b>Bermuda – 0.1%</b>		
Government of Bermuda		
5.000%, 07/15/2032 (D)	311,000	308,512
<b>Israel – 0.1%</b>		
State of Israel		
3.875%, 07/03/2050	237,000	182,855
4.500%, 01/17/2033	669,000	635,042
		817,897
<b>Mexico – 0.2%</b>		
Government of Mexico		
2.659%, 05/24/2031	545,000	460,704
3.250%, 04/16/2030	227,000	205,292
3.500%, 02/12/2034	797,000	674,280
3.750%, 04/19/2071	443,000	295,335
3.771%, 05/24/2061	217,000	146,984
		1,782,595

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Panama – 0.1%</b>		
Republic of Panama		
6.853%, 03/28/2054	\$ 866,000	\$ 809,203
<b>Paraguay – 0.1%</b>		
Republic of Paraguay		
5.400%, 03/30/2050 (D)	317,000	281,496
5.850%, 08/21/2033 (D)	471,000	478,444
		759,940
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b> (Cost \$5,712,263)		<b>\$ 5,541,129</b>
<b>CORPORATE BONDS – 22.3%</b>		
<b>Communication services – 1.7%</b>		
AT&T, Inc.		
3.500%, 06/01/2041 to 09/15/2053	730,000	549,389
3.550%, 09/15/2055	442,000	317,788
3.650%, 09/15/2059	281,000	201,391
3.800%, 12/01/2057	807,000	599,877
5.400%, 02/15/2034	1,535,000	1,583,084
Charter Communications Operating LLC		
3.500%, 06/01/2041 to 03/01/2042	1,126,000	784,957
6.150%, 11/10/2026	617,000	630,777
Comcast Corp.		
2.987%, 11/01/2063	336,000	216,572
4.049%, 11/01/2052	290,000	244,544
5.350%, 11/15/2027	590,000	609,846
Discovery Communications LLC		
4.000%, 09/15/2055	314,000	223,424
Meta Platforms, Inc.		
5.600%, 05/15/2053	565,000	612,366
5.750%, 05/15/2063	565,000	618,363
Paramount Global		
4.950%, 05/19/2050	362,000	293,315
T-Mobile USA, Inc.		
1.500%, 02/15/2026	201,000	187,158
2.250%, 02/15/2026	627,000	594,133
2.550%, 02/15/2031	449,000	386,730
3.750%, 04/15/2027	953,000	924,340
4.800%, 07/15/2028 (E)	595,000	599,978
4.950%, 03/15/2028	596,000	604,004
5.050%, 07/15/2033	744,000	749,785
5.750%, 01/15/2034	593,000	628,961
Verizon Communications, Inc.		
2.355%, 03/15/2032	900,000	748,594
2.650%, 11/20/2040	376,000	270,915
WarnerMedia Holdings, Inc.		
5.050%, 03/15/2042	289,000	254,777
5.141%, 03/15/2052	271,000	232,614
5.391%, 03/15/2062	281,000	240,646
		13,908,328
<b>Consumer discretionary – 1.3%</b>		
Ford Motor Credit Company LLC		
2.900%, 02/10/2029 (E)	1,224,000	1,071,990
General Motors Financial Company, Inc.		
5.800%, 01/07/2029	881,000	901,582
6.100%, 01/07/2034	293,000	301,675
Harley-Davidson Financial Services, Inc.		
6.500%, 03/10/2028 (D)(E)	447,000	464,001
Hyundai Capital America		
0.800%, 01/08/2024 (D)	236,000	235,839
1.300%, 01/08/2026 (D)	565,000	521,626
5.500%, 03/30/2026 (D)	306,000	307,588
5.600%, 03/30/2028 (D)	933,000	946,806
5.700%, 06/26/2030 (D)(E)	293,000	299,982
5.950%, 09/21/2026 (D)	831,000	845,125
6.500%, 01/16/2029 (D)	685,000	723,147

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Lowe's Companies, Inc.		
4.250%, 04/01/2052	\$ 563,000	\$ 476,634
5.625%, 04/15/2053	1,030,000	1,079,878
5.750%, 07/01/2053	299,000	316,773
5.850%, 04/01/2063	149,000	156,048
McDonald's Corp.		
4.700%, 12/09/2035	206,000	203,431
4.800%, 08/14/2028	593,000	603,230
5.450%, 08/14/2053	277,000	294,698
O'Reilly Automotive, Inc.		
5.750%, 11/20/2026	221,000	226,295
Tapestry, Inc.		
7.350%, 11/27/2028	147,000	154,202
7.700%, 11/27/2030	592,000	623,201
		10,753,751
<b>Consumer staples – 1.5%</b>		
Altria Group, Inc.		
6.875%, 11/01/2033	838,000	922,381
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	912,000	909,024
Anheuser-Busch InBev Worldwide, Inc.		
4.375%, 04/15/2038	387,000	367,001
5.800%, 01/23/2059	223,000	249,832
Bunge, Ltd. Finance Corp.		
1.630%, 08/17/2025	308,000	291,168
Constellation Brands, Inc.		
5.250%, 11/15/2048	620,000	613,721
JBS USA LUX SA		
6.750%, 03/15/2034 (D)	294,000	309,767
7.250%, 11/15/2053 (D)	325,000	353,159
Kenvue, Inc.		
5.050%, 03/22/2028 to 03/22/2053	980,000	1,007,855
Keurig Dr. Pepper, Inc.		
4.500%, 04/15/2052	561,000	512,944
PepsiCo, Inc.		
5.125%, 11/10/2026	1,156,000	1,180,434
Philip Morris International, Inc.		
4.875%, 02/15/2028	1,292,000	1,305,804
5.000%, 11/17/2025	634,000	636,507
5.125%, 11/17/2027	79,000	80,408
5.250%, 09/07/2028	643,000	661,373
5.375%, 02/15/2033	488,000	500,544
5.500%, 09/07/2030	421,000	436,318
5.625%, 09/07/2033	252,000	263,195
5.750%, 11/17/2032	152,000	159,518
The JM Smucker Company		
6.500%, 11/15/2043	147,000	163,759
Walmart, Inc.		
4.100%, 04/15/2033	748,000	740,905
4.500%, 04/15/2053	294,000	285,667
		11,951,284
<b>Energy – 2.0%</b>		
Aker BP ASA		
5.600%, 06/13/2028 (D)	883,000	900,087
6.000%, 06/13/2033 (D)	971,000	1,008,584
BP Capital Markets America, Inc.		
3.001%, 03/17/2052	356,000	249,733
4.812%, 02/13/2033	1,635,000	1,648,431
Diamondback Energy, Inc.		
4.250%, 03/15/2052	89,000	71,842
6.250%, 03/15/2033 to 03/15/2053	1,204,000	1,284,597
Enbridge, Inc.		
6.000%, 11/15/2028	445,000	467,188
6.200%, 11/15/2030	445,000	476,158
6.700%, 11/15/2053	652,000	758,297

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Energy Transfer LP		
4.400%, 03/15/2027	\$ 132,000	\$ 129,045
4.950%, 05/15/2028	563,000	560,167
5.300%, 04/15/2047	772,000	707,805
5.400%, 10/01/2047	227,000	211,515
5.750%, 02/15/2033	1,085,000	1,118,612
6.100%, 12/01/2028	708,000	745,097
6.125%, 12/15/2045	239,000	240,720
6.400%, 12/01/2030	595,000	636,173
Galaxy Pipeline Assets Bidco, Ltd.		
2.160%, 03/31/2034 (D)	623,489	540,628
2.625%, 03/31/2036 (D)	459,000	378,928
2.940%, 09/30/2040 (D)	252,876	208,061
MPLX LP		
4.950%, 03/14/2052	553,000	491,919
5.000%, 03/01/2033	897,000	878,696
5.650%, 03/01/2053	161,000	158,999
ONEOK, Inc.		
6.625%, 09/01/2053	772,000	863,974
Petroleos Mexicanos		
2.378%, 04/15/2025	206,250	198,052
2.460%, 12/15/2025	648,200	625,710
		15,559,018
<b>Financials – 6.4%</b>		
American Express Company		
5.282%, (5.282% to 7-27-28, then Overnight SOFR + 1.280%), 07/27/2029	1,192,000	1,216,743
5.389%, (5.389% to 7-28-26, then Overnight SOFR + 0.970%), 07/28/2027	886,000	896,173
6.489%, (6.489% to 10-30-30, then Overnight SOFR + 1.940%), 10/30/2031	447,000	484,757
Banco Bilbao Vizcaya Argentaria SA		
7.883%, (7.883% to 11-15-33, then 1 Year CMT + 3.300%), 11/15/2034	600,000	652,878
Banco Santander SA		
6.527%, (6.527% to 11-7-26, then 1 Year CMT + 1.650%), 11/07/2027	800,000	827,231
6.607%, 11/07/2028	800,000	851,579
6.938%, 11/07/2033	600,000	666,113
Bank of America Corp.		
1.734%, (1.734% to 7-22-26, then Overnight SOFR + 0.960%), 07/22/2027	2,043,000	1,871,697
3.419%, (3.419% to 12-20-27, then 3 month CME Term SOFR + 1.302%), 12/20/2028	2,083,000	1,962,038
5.288%, (5.288% to 4-25-33, then Overnight SOFR + 1.910%), 04/25/2034	1,678,000	1,681,862
5.819%, (5.819% to 9-15-28, then Overnight SOFR + 1.570%), 09/15/2029	2,284,000	2,357,714
5.872%, (5.872% to 9-15-33, then Overnight SOFR + 1.840%), 09/15/2034	1,142,000	1,195,412
5.933%, (5.933% to 9-15-26, then Overnight SOFR + 1.340%), 09/15/2027	1,631,000	1,664,152
Barclays PLC		
6.224%, (6.224% to 5-9-33, then Overnight SOFR + 2.980%), 05/09/2034	918,000	952,128

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Barclays PLC (continued)		
6.490%, (6.490% to 9-13-28, then Overnight SOFR + 2.220%), 09/13/2029	\$ 896,000	\$ 932,888
6.692%, (6.692% to 9-13-33, then Overnight SOFR + 2.620%), 09/13/2034	972,000	1,039,067
BNP Paribas SA		
5.335%, (5.335% to 6-12-28, then 1 Year CMT + 1.500%), 06/12/2029 (D)	1,178,000	1,194,885
5.894%, (5.894% to 12-5-33, then Overnight SOFR + 1.866%), 12/05/2034 (D)	882,000	921,392
BPCE SA		
6.612%, (6.612% to 10-19-26, then Overnight SOFR + 1.980%), 10/19/2027 (D)	906,000	932,299
6.714%, (6.714% to 10-19-28, then Overnight SOFR + 2.270%), 10/19/2029 (D)	619,000	651,748
7.003%, (7.003% to 10-19-33, then Overnight SOFR + 2.590%), 10/19/2034 (D)	465,000	505,365
Canadian Imperial Bank of Commerce		
6.092%, 10/03/2033	891,000	950,642
Capital One Financial Corp.		
7.149%, (7.149% to 10-29-26, then Overnight SOFR + 2.440%), 10/29/2027	745,000	773,408
7.624%, (7.624% to 10-30-30, then Overnight SOFR + 3.070%), 10/30/2031	745,000	818,670
Citibank NA		
5.803%, 09/29/2028	1,490,000	1,555,751
Citigroup, Inc.		
6.174%, (6.174% to 5-25-33, then Overnight SOFR + 2.661%), 05/25/2034	706,000	730,551
Cooperatieve Rabobank UA		
5.564%, (5.564% to 2-28-28, then 1 Year CMT + 1.400%), 02/28/2029 (D)	2,128,000	2,161,061
Deutsche Bank AG		
3.742%, (3.742% to 1-7-32, then Overnight SOFR + 2.257%), 01/07/2033	1,166,000	957,186
Fiserv, Inc.		
5.375%, 08/21/2028	883,000	908,375
5.600%, 03/02/2033	153,000	159,712
5.625%, 08/21/2033	883,000	925,011
HSBC Holdings PLC		
3.973%, (3.973% to 5-22-29, then 3 month CME Term SOFR + 1.872%), 05/22/2030	747,000	697,692
4.583%, (4.583% to 6-19-28, then 3 month CME Term SOFR + 1.796%), 06/19/2029	235,000	227,858
7.399%, (7.399% to 11-13-33, then Overnight SOFR + 3.020%), 11/13/2034	747,000	819,436
ING Groep NV		
6.083%, (6.083% to 9-11-26, then Overnight SOFR + 1.560%), 09/11/2027	897,000	915,392

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
ING Groep NV (continued)		
6.114%, (6.114% to 9-11-33, then Overnight SOFR + 2.090%), 09/11/2034	\$ 618,000	\$ 648,138
KeyBank NA		
5.000%, 01/26/2033	411,000	384,219
M&T Bank Corp.		
7.413%, (7.413% to 10-30-28, then Overnight SOFR + 2.800%), 10/30/2029	610,000	656,132
Morgan Stanley		
5.123%, (5.123% to 2-1-28, then Overnight SOFR + 1.730%), 02/01/2029	295,000	296,342
5.164%, (5.164% to 4-20-28, then Overnight SOFR + 1.590%), 04/20/2029	295,000	296,686
5.250%, (5.250% to 4-21-33, then Overnight SOFR + 1.870%), 04/21/2034	894,000	893,909
5.449%, (5.449% to 7-20-28, then Overnight SOFR + 1.630%), 07/20/2029	590,000	601,181
6.342%, (6.342% to 10-18-32, then Overnight SOFR + 2.560%), 10/18/2033	1,019,000	1,098,787
Santander Holdings USA, Inc.		
7.660%, (7.660% to 11-9-30, then Overnight SOFR + 3.280%), 11/09/2031	741,000	801,838
The Charles Schwab Corp.		
6.136%, (6.136% to 8-24-33, then Overnight SOFR + 2.010%), 08/24/2034	589,000	620,850
Truist Financial Corp.		
7.161%, (7.161% to 10-30-28, then Overnight SOFR + 2.446%), 10/30/2029	1,043,000	1,126,474
Trust Fibra Uno		
6.390%, 01/15/2050 (D)	356,000	287,103
UBS AG		
5.650%, 09/11/2028	664,000	688,670
UBS Group AG		
4.194%, (4.194% to 4-1-30, then Overnight SOFR + 3.730%), 04/01/2031 (D)	469,000	436,659
4.282%, 01/09/2028 (D)	645,000	624,740
6.301%, (6.301% to 9-22-33, then 1 Year CMT + 2.000%), 09/22/2034 (D)	466,000	493,318
Wells Fargo & Company		
4.611%, (4.611% to 4-25-52, then Overnight SOFR + 2.130%), 04/25/2053	295,000	265,212
4.897%, (4.897% to 7-25-32, then Overnight SOFR + 2.100%), 07/25/2033	2,077,000	2,023,361
5.574%, (5.574% to 7-25-28, then Overnight SOFR + 1.740%), 07/25/2029	297,000	303,257
6.303%, (6.303% to 10-23-28, then Overnight SOFR + 1.790%), 10/23/2029	1,040,000	1,096,079

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Wells Fargo & Company (continued)		
6.491%, (6.491% to 10-23-33, then Overnight SOFR + 2.060%), 10/23/2034	\$ 1,632,000	\$ 1,775,433
		51,477,254
<b>Health care – 1.9%</b>		
Abbott Laboratories		
1.400%, 06/30/2030	672,000	568,597
4.750%, 11/30/2036	297,000	304,208
AbbVie, Inc.		
3.200%, 11/21/2029	1,106,000	1,033,877
4.050%, 11/21/2039	317,000	286,234
4.250%, 11/21/2049	761,000	678,168
4.500%, 05/14/2035	651,000	636,699
4.550%, 03/15/2035	743,000	728,626
Amgen, Inc.		
5.250%, 03/02/2025	888,000	889,813
5.650%, 03/02/2053	2,048,000	2,154,672
CVS Health Corp.		
5.875%, 06/01/2053	206,000	216,674
DH Europe Finance II Sarl		
2.200%, 11/15/2024	733,000	713,919
Gilead Sciences, Inc.		
2.600%, 10/01/2040	465,000	342,441
HCA, Inc.		
3.625%, 03/15/2032	604,000	540,082
4.625%, 03/15/2052	287,000	244,068
5.500%, 06/01/2033	302,000	306,742
5.900%, 06/01/2053	1,200,000	1,230,064
Merck & Company, Inc.		
5.000%, 05/17/2053	303,000	311,547
5.150%, 05/17/2063	227,000	236,661
Pfizer Investment Enterprises Pte, Ltd.		
4.750%, 05/19/2033	1,151,000	1,153,584
5.300%, 05/19/2053	1,056,000	1,078,054
5.340%, 05/19/2063	597,000	602,731
UnitedHealth Group, Inc.		
3.050%, 05/15/2041	141,000	110,176
5.200%, 04/15/2063	308,000	314,335
5.875%, 02/15/2053	556,000	629,717
		15,311,689
<b>Industrials – 1.6%</b>		
Adani International Container Terminal Private, Ltd.		
3.000%, 02/16/2031 (D)	250,275	205,066
Burlington Northern Santa Fe LLC		
4.450%, 01/15/2053	119,000	112,154
Canadian Pacific Railway Company		
1.350%, 12/02/2024	665,000	641,141
1.750%, 12/02/2026	129,000	118,981
Carrier Global Corp.		
5.900%, 03/15/2034 (D)	592,000	640,304
6.200%, 03/15/2054 (D)	207,000	239,286
Crowley Conro LLC		
4.181%, 08/15/2043	453,205	437,690
Delta Air Lines, Inc.		
4.750%, 10/20/2028 (D)	980,000	963,819
John Deere Capital Corp.		
4.150%, 09/15/2027	586,000	582,204
4.950%, 07/14/2028	237,000	242,974
5.150%, 09/08/2026	1,036,000	1,054,660
Northrop Grumman Corp.		
4.400%, 05/01/2030	344,000	342,112
Quanta Services, Inc.		
0.950%, 10/01/2024	534,000	514,582

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Republic Services, Inc. 5.000%, 04/01/2034	\$ 449,000	\$ 459,776
RTX Corp. 6.100%, 03/15/2034	765,000	830,212
6.400%, 03/15/2054	612,000	708,501
The Boeing Company 2.196%, 02/04/2026	1,014,000	958,115
3.250%, 02/01/2035	329,000	277,468
3.750%, 02/01/2050	587,000	455,518
5.805%, 05/01/2050	1,327,000	1,374,176
Union Pacific Corp. 2.375%, 05/20/2031	284,000	246,877
2.800%, 02/14/2032	385,000	341,556
3.375%, 02/14/2042	321,000	262,069
Veralto Corp. 5.500%, 09/18/2026 (D)	278,000	281,548
Waste Management, Inc. 4.875%, 02/15/2034	586,000	597,745
		12,888,534
<b>Information technology – 1.8%</b>		
Apple, Inc. 2.375%, 02/08/2041	218,000	159,320
2.650%, 05/11/2050 to 02/08/2051	419,000	287,727
3.950%, 08/08/2052	420,000	367,581
4.850%, 05/10/2053	151,000	153,861
Broadcom, Inc. 2.450%, 02/15/2031 (D)	468,000	400,169
3.150%, 11/15/2025	351,000	339,977
3.469%, 04/15/2034 (D)	300,000	261,002
4.926%, 05/15/2037 (D)	428,000	414,189
Intel Corp. 2.800%, 08/12/2041	255,000	190,960
5.625%, 02/10/2043	172,000	183,867
5.700%, 02/10/2053	595,000	643,260
5.900%, 02/10/2063	417,000	464,790
Intuit, Inc. 5.125%, 09/15/2028	587,000	606,669
5.200%, 09/15/2033	587,000	614,523
5.250%, 09/15/2026	735,000	749,253
5.500%, 09/15/2053	593,000	648,510
KLA Corp. 3.300%, 03/01/2050	245,000	187,003
Marvell Technology, Inc. 5.750%, 02/15/2029	445,000	459,773
5.950%, 09/15/2033	445,000	471,873
Micron Technology, Inc. 3.477%, 11/01/2051	147,000	106,537
5.375%, 04/15/2028	1,496,000	1,522,334
5.875%, 02/09/2033	177,000	183,971
NXP BV 2.500%, 05/11/2031	298,000	253,169
3.250%, 05/11/2041	293,000	223,308
Oracle Corp. 4.000%, 07/15/2046	520,000	416,802
4.375%, 05/15/2055	180,000	149,123
5.550%, 02/06/2053	181,000	181,050
Qualcomm, Inc. 6.000%, 05/20/2053	674,000	775,524
Texas Instruments, Inc. 5.000%, 03/14/2053	657,000	672,587
VMware LLC 1.000%, 08/15/2024	928,000	901,301
1.400%, 08/15/2026	869,000	794,860
4.700%, 05/15/2030	538,000	530,683
		14,315,556

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials – 0.3%</b>		
Anglo American Capital PLC 4.750%, 03/16/2052 (D)	\$ 840,000	\$ 720,500
Celanese US Holdings LLC 6.700%, 11/15/2033	592,000	642,082
Glencore Finance Canada, Ltd. 5.550%, 10/25/2042 (D)	134,000	129,791
6.000%, 11/15/2041 (D)	109,000	110,927
6.900%, 11/15/2037 (D)	309,000	340,421
Glencore Funding LLC 6.500%, 10/06/2033 (D)	589,000	642,139
		2,585,860
<b>Real estate – 1.7%</b>		
Agree LP 2.000%, 06/15/2028	560,000	485,604
2.600%, 06/15/2033	127,000	100,650
4.800%, 10/01/2032	281,000	265,371
American Homes 4 Rent LP 3.625%, 04/15/2032	514,000	460,329
4.300%, 04/15/2052	231,000	186,022
American Tower Corp. 2.950%, 01/15/2051	149,000	99,302
3.125%, 01/15/2027	253,000	239,124
5.500%, 03/15/2028	595,000	608,148
5.900%, 11/15/2033	890,000	942,265
Brixmor Operating Partnership LP 2.500%, 08/16/2031	493,000	413,514
Crown Castle, Inc. 1.050%, 07/15/2026	803,000	724,455
2.100%, 04/01/2031	500,000	407,229
2.900%, 04/01/2041	298,000	212,681
5.000%, 01/11/2028	997,000	993,087
5.100%, 05/01/2033	429,000	424,656
5.600%, 06/01/2029	470,000	480,579
5.800%, 03/01/2034	907,000	938,745
Essex Portfolio LP 2.550%, 06/15/2031	266,000	222,507
Federal Realty Investment Trust 3.950%, 01/15/2024	356,000	355,625
Invitation Homes Operating Partnership LP 2.000%, 08/15/2031	90,000	71,618
4.150%, 04/15/2032	513,000	471,401
NNN REIT, Inc. 5.600%, 10/15/2033	442,000	456,276
Realty Income Corp. 2.200%, 06/15/2028	276,000	247,258
2.850%, 12/15/2032	373,000	316,913
4.900%, 07/15/2033	498,000	497,226
5.625%, 10/13/2032	520,000	547,022
Regency Centers LP 2.950%, 09/15/2029	706,000	633,049
STORE Capital Corp. 2.700%, 12/01/2031	179,000	135,584
2.750%, 11/18/2030	456,000	356,032
4.500%, 03/15/2028	294,000	270,180
4.625%, 03/15/2029	329,000	303,411
Sun Communities Operating LP 4.200%, 04/15/2032	514,000	468,707
		13,334,570
<b>Utilities – 2.1%</b>		
American Transmission Systems, Inc. 2.650%, 01/15/2032 (D)	186,000	157,363
Baltimore Gas & Electric Company 2.250%, 06/15/2031	400,000	340,577
5.400%, 06/01/2053	448,000	462,264

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
CenterPoint Energy Houston Electric LLC		
3.600%, 03/01/2052	\$ 295,000	\$ 234,015
5.200%, 10/01/2028	447,000	461,122
Consolidated Edison Company of New York, Inc.		
3.200%, 12/01/2051	88,000	62,215
5.200%, 03/01/2033	157,000	162,276
5.500%, 03/15/2034	738,000	773,988
5.900%, 11/15/2053	295,000	324,407
Consumers Energy Company		
2.500%, 05/01/2060	242,000	147,772
DTE Electric Company		
2.950%, 03/01/2050	466,000	325,240
3.650%, 03/01/2052	213,000	167,892
Duke Energy Carolinas LLC		
2.550%, 04/15/2031	272,000	235,708
2.850%, 03/15/2032	496,000	432,344
3.550%, 03/15/2052	361,000	276,528
4.950%, 01/15/2033	442,000	450,186
5.350%, 01/15/2053	597,000	611,117
Duke Energy Corp.		
2.550%, 06/15/2031	443,000	377,987
3.500%, 06/15/2051	82,000	60,240
5.750%, 09/15/2033	239,000	252,818
Duke Energy Florida LLC		
2.400%, 12/15/2031	398,000	335,782
Duke Energy Progress LLC		
2.500%, 08/15/2050	403,000	253,158
5.250%, 03/15/2033	295,000	304,048
Entergy Arkansas LLC		
2.650%, 06/15/2051	359,000	225,702
5.150%, 01/15/2033	598,000	609,623
Israel Electric Corp., Ltd.		
3.750%, 02/22/2032 (D)	278,000	235,021
Jersey Central Power & Light Company		
2.750%, 03/01/2032 (D)	439,000	370,508
Metropolitan Edison Company		
4.300%, 01/15/2029 (D)	468,000	452,923
5.200%, 04/01/2028 (D)	449,000	452,264
MidAmerican Energy Company		
2.700%, 08/01/2052	346,000	223,483
Mississippi Power Company		
3.100%, 07/30/2051	479,000	321,379
4.250%, 03/15/2042	203,000	172,705
NSTAR Electric Company		
3.100%, 06/01/2051	246,000	172,741
Pacific Gas & Electric Company		
2.100%, 08/01/2027	214,000	192,864
3.950%, 12/01/2047	933,000	682,114
4.200%, 06/01/2041	232,000	185,116
4.500%, 07/01/2040	137,000	115,804
4.750%, 02/15/2044	134,000	111,812
4.950%, 07/01/2050	1,274,000	1,088,238
PacifiCorp		
5.500%, 05/15/2054	132,000	129,506
PECO Energy Company		
2.850%, 09/15/2051	482,000	324,079
Pennsylvania Electric Company		
3.250%, 03/15/2028 (D)	389,000	362,454
5.150%, 03/30/2026 (D)	299,000	298,518
Public Service Company of Oklahoma		
3.150%, 08/15/2051	270,000	184,240
Public Service Electric & Gas Company		
1.900%, 08/15/2031	682,000	559,636

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Public Service Electric & Gas Company (continued)		
2.050%, 08/01/2050	\$ 111,000	\$ 64,280
2.700%, 05/01/2050	186,000	127,332
Public Service Enterprise Group, Inc.		
5.875%, 10/15/2028	892,000	934,656
6.125%, 10/15/2033	358,000	384,760
Southern California Edison Company		
4.125%, 03/01/2048	300,000	251,822
Virginia Electric & Power Company		
2.950%, 11/15/2051	400,000	272,058
		16,714,685
<b>TOTAL CORPORATE BONDS</b>		
(Cost \$178,726,281)		\$ 178,800,529
<b>MUNICIPAL BONDS – 0.4%</b>		
Board of Regents of the University of Texas System		
2.439%, 08/15/2049	285,000	190,364
County of Clark Department of Aviation (Nevada)		
6.820%, 07/01/2045	750,000	918,086
North Texas Tollway Authority		
6.718%, 01/01/2049	697,000	859,998
Ohio State University		
4.800%, 06/01/2111	464,000	440,981
Port Authority of New York & New Jersey		
4.458%, 10/01/2062	571,000	521,017
<b>TOTAL MUNICIPAL BONDS (Cost \$3,491,211)</b>		
		\$ 2,930,446
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 15.7%</b>		
<b>Commercial and residential – 2.3%</b>		
Angel Oak Mortgage Trust LLC		
Series 2020-2, Class A1A,		
2.531%, 01/26/2065 (D)(F)	112,045	103,217
Series 2020-5, Class A1,		
1.373%, 05/25/2065 (D)(F)	71,449	64,097
Series 2021-6, Class A1,		
1.458%, 09/25/2066 (D)(F)	459,135	369,200
BBCMS Mortgage Trust		
Series 2018-C2, Class ASB		
4.236%, 12/15/2051	195,371	190,623
Bunker Hill Loan Depository Trust		
Series 2019-2, Class A1		
2.879%, 07/25/2049 (D)	289,052	274,165
BX Commercial Mortgage Trust		
Series 2021-VOLT, Class A (1 month CME Term SOFR + 0.814%),		
6.176%, 09/15/2036 (B)(D)	2,021,000	1,968,978
Series 2021-XL2, Class A (1 month CME Term SOFR + 0.803%),		
6.165%, 10/15/2038 (B)(D)	781,148	766,454
CFCRE Commercial Mortgage Trust		
Series 2017-C8, Class ASB		
3.367%, 06/15/2050	198,775	192,395
COLT Mortgage Loan Trust		
Series 2021-2, Class A1,		
0.924%, 08/25/2066 (D)(F)	619,770	495,758
Series 2021-4, Class A1,		
1.397%, 10/25/2066 (D)(F)	647,112	517,740
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2014-UBS4, Class A4,		
3.420%, 08/10/2047	692,111	681,710

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) (continued)		
Series 2015-LC23, Class A3, 3.521%, 10/10/2048	\$ 363,680	\$ 354,427
EQUUS Mortgage Trust		
Series 2021-EQAZ, Class A (1 month CME Term SOFR + 0.869%) 6.231%, 10/15/2038 (B)(D)	786,984	771,164
GS Mortgage Securities Trust		
Series 2015-GC32, Class A3, 3.498%, 07/10/2048	301,749	292,113
Series 2020-GSA2, Class A4, 1.721%, 12/12/2053	995,000	797,650
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust		
Series 2010-1, Class A1 5.314%, 01/25/2051 (D)	368,742	361,892
JPMBB Commercial Mortgage Securities Trust		
Series 2014-C23, Class A4, 3.670%, 09/15/2047	274,149	270,500
Series 2015-C28, Class A3, 2.912%, 10/15/2048	993,317	968,766
Series 2015-C30, Class A5, 3.822%, 07/15/2048	535,000	511,608
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2016-JP4, Class A3 3.393%, 12/15/2049	198,000	187,262
Med Trust		
Series 2021-MDLN, Class A (1 month CME Term SOFR + 1.064%) 6.426%, 11/15/2038 (B)(D)	1,266,920	1,242,270
MFA Trust		
Series 2021-NQM2, Class A1 1.029%, 11/25/2064 (D)(F)	254,103	214,420
Morgan Stanley Capital I Trust		
Series 2020-HR8, Class A3 1.790%, 07/15/2053	557,000	458,871
New Residential Mortgage Loan Trust		
Series 2019-NQM4, Class A1 2.492%, 09/25/2059 (D)(F)	124,521	114,528
NewRez Warehouse Securitization Trust		
Series 2021-1, Class A (1 month CME Term SOFR + 0.864%) 6.220%, 05/25/2055 (B)(D)	844,133	842,863
Starwood Mortgage Residential Trust		
Series 2020-1, Class A1, 2.275%, 02/25/2050 (D)(F)	44,610	41,917
Series 2020-3, Class A1, 1.486%, 04/25/2065 (D)(F)	183,051	170,034
Series 2020-INVI, Class A1, 1.027%, 11/25/2055 (D)(F)	163,722	146,644
Series 2021-1, Class A1, 1.219%, 05/25/2065 (D)(F)	217,053	191,870
Series 2021-4, Class A1, 1.162%, 08/25/2056 (D)(F)	592,265	495,226
Verus Securitization Trust		
Series 2019-4, Class A1, 3.642%, 11/25/2059 (D)	204,636	198,215
Series 2019-INV3, Class A1, 3.692%, 11/25/2059 (D)(F)	80,420	78,138

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Verus Securitization Trust (continued)		
Series 2020-2, Class A1, 2.226%, 05/25/2060 (D)(F)	\$ 61,329	\$ 60,028
Series 2021-1, Class A1, 0.815%, 01/25/2066 (D)(F)	281,903	240,895
Series 2021-2, Class A1, 1.031%, 02/25/2066 (D)(F)	548,761	473,585
Series 2021-3, Class A1, 1.046%, 06/25/2066 (D)(F)	423,580	352,185
Series 2021-4, Class A1, 0.938%, 07/25/2066 (D)(F)	543,238	431,248
Series 2021-5, Class A1, 1.013%, 09/25/2066 (D)(F)	1,270,435	1,042,254
Series 2021-7, Class A1, 1.829%, 10/25/2066 (D)(F)	610,365	529,878
Series 2021-8, Class A1, 1.824%, 11/25/2066 (D)(F)	587,008	507,514
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (D)(F)	229,214	207,430
Series 2021-R3, Class A1, 1.020%, 04/25/2064 (D)(F)	256,146	227,666
Visio Trust		
Series 2020-1R, Class A1 1.312%, 11/25/2055 (D)	174,622	156,923
		18,564,321
<b>U.S. Government Agency – 13.4%</b>		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	923,700	849,137
Series 271, Class F5 (30 day Average SOFR + 0.614%), 5.953%, 08/15/2042 (B)	274,789	268,771
Series 272, Class F1 (30 day Average SOFR + 0.614%), 5.953%, 08/15/2042 (B)	436,678	427,188
Series 280, Class F1 (30 day Average SOFR + 0.614%), 5.953%, 09/15/2042 (B)	439,703	430,059
Series 3924, Class NC, 4.000%, 09/15/2041	432,654	418,933
Series 4047, Class CX, 3.500%, 05/15/2042	812,000	744,670
Series 4091, Class BX, 3.250%, 10/15/2041	443,900	412,139
Series 4091, Class EX, 3.375%, 07/15/2042	280,425	261,024
Series 4091, Class MX, 3.250%, 02/15/2042	356,433	329,436
Series 4117, Class HB, 2.500%, 10/15/2042	279,000	241,150
Series 4122, Class FP (30 day Average SOFR + 0.514%), 5.853%, 10/15/2042 (B)	319,205	311,205
Series 4205, Class PA, 1.750%, 05/15/2043	298,830	253,500
Series 4240, Class FA (30 day Average SOFR + 0.614%), 5.953%, 08/15/2043 (B)	808,615	789,742
Series 4248, Class FT (30 day Average SOFR + 0.614%), 5.953%, 09/15/2043 (B)	280,666	275,059

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 4286, Class VF (30 day Average SOFR + 0.564%), 5.903%, 12/15/2043 (B)	\$ 596,275	\$ 582,913
Series 4446, Class CP, 2.250%, 03/15/2045	380,859	333,468
Series 4582, Class HA, 3.000%, 09/15/2045	1,412,862	1,312,517
Series 4614, Class FG (30 day Average SOFR + 0.614%), 5.953%, 09/15/2046 (B)	322,908	314,538
Series 4628, Class KF (30 day Average SOFR + 0.614%), 5.953%, 01/15/2055 (B)	406,280	393,552
Series 4631, Class FA (30 day Average SOFR + 0.614%), 5.953%, 11/15/2046 (B)	536,075	522,699
Series 4719, Class LA, 3.500%, 09/15/2047	404,150	371,912
Series 4719, Class LM, 3.000%, 09/15/2047	313,878	280,308
Series 4742, Class PA, 3.000%, 10/15/2047	795,688	722,755
Series 4793, Class FD (30 day Average SOFR + 0.414%), 5.753%, 06/15/2048 (B)	123,071	118,603
Series 4826, Class KF (30 day Average SOFR + 0.414%), 5.753%, 09/15/2048 (B)	258,306	250,104
Series 4857, Class JA, 3.350%, 01/15/2049	1,266,385	1,203,954
Series 4880, Class DA, 3.000%, 05/15/2050	608,665	553,762
Series 4903, Class NF (30 day Average SOFR + 0.514%), 5.852%, 08/25/2049 (B)	246,773	240,484
Series 4927, Class BG, 3.000%, 11/25/2049	545,898	492,314
Series 4937, Class MD, 2.500%, 10/25/2049	545,832	478,767
Series 4941, Class GA, 2.000%, 12/15/2047	310,702	260,790
Series 4957, Class MY, 3.000%, 02/25/2050	317,000	264,649
Series 4979, Class UC, 1.500%, 06/25/2050	1,008,437	816,495
Series 4990, Class FN (30 day Average SOFR + 0.464%), 5.802%, 05/25/2050 (B)	694,696	670,716
Series 4993, Class KF (30 day Average SOFR + 0.564%), 5.902%, 07/25/2050 (B)	2,277,632	2,208,037
Series 5004, Class FM (30 day Average SOFR + 0.464%), 5.802%, 08/25/2050 (B)	482,659	464,637
Series 5020, Class ET, 3.500%, 10/25/2050	454,844	415,173
Series 5058, Class BC, 5.000%, 11/25/2050	326,412	327,547
Series 5091, Class AB, 1.500%, 03/25/2051	959,396	777,139
Series 5092, Class HE, 2.000%, 02/25/2051	546,589	457,147

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 5116, Class PB, 2.250%, 02/25/2051	\$ 571,428	\$ 486,728
Series 5118, Class CA, 1.500%, 10/15/2033	474,000	416,484
Series 5119, Class AB, 1.500%, 08/25/2049	424,198	338,776
Series 5119, Class QF (30 day Average SOFR + 0.200%), 5.537%, 06/25/2051 (B)	692,269	655,116
Series 5143, Class GA, 2.000%, 06/25/2049	345,730	284,862
Series 5156, Class DC, 2.000%, 09/25/2051	617,591	526,590
Series 5159, Class UA, 2.500%, 12/25/2048	605,899	531,034
Series 5178, Class TP, 2.500%, 04/25/2049	753,402	655,722
Series 5182, Class D, 2.500%, 11/25/2043	2,317,363	2,114,087
Series 5182, Class M, 2.500%, 05/25/2049	461,603	403,799
Series 5184, Class AB, 2.500%, 05/25/2048	339,616	299,641
Series 5194, Class G, 2.500%, 01/25/2051	684,893	564,886
Series 5201, Class CA, 2.500%, 07/25/2048	689,888	613,983
Series 5202, Class BH, 2.000%, 12/25/2047	369,299	332,506
Series 5202, Class LA, 2.500%, 05/25/2049	685,391	600,379
Series 5202, Class MB, 3.000%, 11/25/2048	881,227	796,849
Series 5202, Class TA, 2.500%, 12/25/2048	1,056,420	956,986
Series 5203, Class G, 2.500%, 11/25/2048	305,318	269,483
Series 5206, Class CD, 3.500%, 05/25/2049	689,589	630,301
Series 5207, Class PA, 3.000%, 06/25/2051	728,873	654,643
Series 5209, Class EA, 3.000%, 08/25/2050	565,943	515,133
Series 5209, Class EJ, 3.000%, 08/25/2050	565,943	515,133
Series 5210, Class DC, 3.000%, 09/25/2051	533,662	493,175
Series 5217, Class CD, 2.500%, 07/25/2049	570,975	523,377
Series 5220, Class QK, 3.500%, 09/25/2050	1,077,409	1,021,522
Series 5228, Class TN, 3.500%, 07/25/2039	375,718	358,667
Series 5300, Class C, 2.000%, 09/25/2047	930,768	857,010
Series 5335, Class FB (30 day Average SOFR + 0.814%), 6.153%, 10/15/2039 (B)	928,109	931,541
Series 5338, Class FH (30 day Average SOFR + 0.414%), 5.753%, 04/15/2045 (B)	904,248	876,979



# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National Mortgage Association		
Series 2012-111, Class FC (30 day Average SOFR + 0.514%), 5.852%, 10/25/2042 (B)	\$ 351,078	\$ 344,268
Series 2012-133, Class JF (30 day Average SOFR + 0.464%), 5.802%, 12/25/2042 (B)	368,273	358,089
Series 2012-151, Class NX, 1.500%, 01/25/2043	312,450	263,153
Series 2013-11, Class AP, 1.500%, 01/25/2043	1,020,193	911,572
Series 2013-15, Class FA (30 day Average SOFR + 0.464%), 5.802%, 03/25/2043 (B)	442,009	429,689
Series 2013-43, Class BP, 1.750%, 05/25/2043	370,079	314,863
Series 2014-17, Class DY, 3.500%, 04/25/2044	526,000	478,933
Series 2014-25, Class EL, 3.000%, 05/25/2044	417,153	375,576
Series 2014-74, Class PC, 2.500%, 06/25/2044	333,535	308,468
Series 2015-20, Class EF (30 day Average SOFR + 0.464%), 5.802%, 04/25/2045 (B)	1,021,345	991,207
Series 2015-26, Class GF (30 day Average SOFR + 0.414%), 5.752%, 05/25/2045 (B)	643,872	624,970
Series 2015-32, Class FA (30 day Average SOFR + 0.414%), 5.752%, 05/25/2045 (B)	393,517	380,814
Series 2015-48, Class FB (30 day Average SOFR + 0.414%), 5.752%, 07/25/2045 (B)	480,353	465,170
Series 2015-8, Class AP, 2.000%, 03/25/2045	751,442	656,139
Series 2015-84, Class PA, 1.700%, 08/25/2033	1,182,961	1,080,342
Series 2016-19, Class FD (30 day Average SOFR + 0.514%), 5.852%, 04/25/2046 (B)	1,418,979	1,397,838
Series 2016-48, Class MA, 2.000%, 06/25/2038	1,233,294	1,127,422
Series 2016-57, Class PC, 1.750%, 06/25/2046	2,494,134	2,078,268
Series 2017-13, Class PA, 3.000%, 08/25/2046	496,568	455,425
Series 2017-30, Class FA (30 day Average SOFR + 0.464%), 5.802%, 05/25/2047 (B)	243,331	236,379
Series 2017-78, Class FC (30 day Average SOFR + 0.464%), 5.802%, 10/25/2047 (B)	468,106	453,883
Series 2018-14, Class KC, 3.000%, 03/25/2048	816,329	766,650
Series 2018-38, Class MA, 3.300%, 06/25/2048	622,276	588,467
Series 2018-45, Class TM, 3.000%, 06/25/2048	487,222	438,982
Series 2018-55, Class GA, 3.375%, 08/25/2048	475,518	449,400
Series 2018-64, Class A, 3.000%, 09/25/2048	420,188	370,863

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National Mortgage Association (continued)		
Series 2018-8, Class KL, 2.500%, 03/25/2047	\$ 436,385	\$ 392,041
Series 2018-85, Class EA, 3.500%, 12/25/2048	347,070	329,658
Series 2019-15, Class FA (30 day Average SOFR + 0.614%), 5.952%, 04/25/2049 (B)	247,903	241,900
Series 2019-25, Class PA, 3.000%, 05/25/2048	791,578	726,256
Series 2019-41, Class FG (30 day Average SOFR + 0.614%), 5.952%, 08/25/2059 (B)	598,444	582,146
Series 2019-43, Class FC (30 day Average SOFR + 0.514%), 5.852%, 08/25/2049 (B)	488,841	475,810
Series 2019-67, Class FB (30 day Average SOFR + 0.564%), 5.902%, 11/25/2049 (B)	246,672	240,117
Series 2020-34, Class F (30 day Average SOFR + 0.564%), 5.902%, 06/25/2050 (B)	340,060	330,360
Series 2020-37, Class DA, 1.500%, 06/25/2050	258,028	224,999
Series 2020-45, Class JL, 3.000%, 07/25/2040	851,773	772,211
Series 2020-48, Class AB, 2.000%, 07/25/2050	393,838	327,087
Series 2020-48, Class DA, 2.000%, 07/25/2050	1,187,507	1,001,942
Series 2020-59, Class NC, 3.000%, 08/25/2040	513,445	469,610
Series 2021-22, Class MN, 2.750%, 10/25/2050	581,869	508,277
Series 2021-26, Class BD, 1.750%, 05/25/2051	315,749	275,060
Series 2021-27, Class EC, 1.500%, 05/25/2051	1,674,222	1,357,794
Series 2021-33, Class AV, 2.500%, 03/25/2048	233,045	176,296
Series 2021-42, Class AC, 2.000%, 02/25/2051	463,681	389,988
Series 2021-42, Class DC, 2.000%, 11/25/2050	1,106,792	934,561
Series 2021-73, Class A, 2.500%, 11/25/2049	597,208	517,545
Series 2021-73, Class DJ, 2.000%, 03/25/2049	621,938	506,264
Series 2021-76, Class KB, 1.250%, 11/25/2051	276,587	226,659
Series 2021-78, Class ND, 1.500%, 11/25/2051	916,240	748,671
Series 2021-78, Class PA, 2.500%, 11/25/2051	542,198	470,015
Series 2021-86, Class MA, 2.500%, 11/25/2047	982,039	879,033
Series 2021-91, Class AB, 2.500%, 09/25/2049	578,084	503,088
Series 2021-95, Class MA, 2.500%, 04/25/2050	724,039	623,794
Series 2021-96, Class AH, 2.500%, 03/25/2049	647,065	560,732

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2022-11, Class A, 2.500%, 07/25/2047	\$ 1,473,904	\$ 1,328,825
Series 2022-11, Class D, 3.000%, 01/25/2050	637,572	576,787
Series 2022-18, Class DL, 3.250%, 07/25/2046	827,577	768,213
Series 2022-28, Class CA, 2.000%, 01/25/2048	568,202	510,189
Series 2022-3, Class N, 2.000%, 10/25/2047	1,650,795	1,429,337
Series 2022-4, Class MH, 3.000%, 09/25/2048	671,153	615,105
Series 2022-89, Class AY, 3.000%, 02/25/2048	623,000	529,646
Series 2022-9, Class DJ, 3.250%, 03/25/2049	455,931	415,396
Series 2023-37, Class FG (30 day Average SOFR + 0.414%), 5.752%, 08/25/2050 (B)	1,593,497	1,540,312
Series 2023-37, Class FH (30 day Average SOFR + 0.514%), 5.852%, 01/25/2050 (B)	985,727	960,343
Series 2023-38, Class FC (30 day Average SOFR + 0.664%), 6.002%, 06/25/2040 (B)	635,597	630,773
Series 414, Class A35, 3.500%, 10/25/2042	1,006,060	939,750
Government National		
Mortgage Association		
Series 2010-163, Class NC, 4.000%, 12/20/2040	510,339	501,935
Series 2012-141, Class WA, 4.513%, 11/16/2041 (F)	161,134	157,256
Series 2013-152, Class HA, 2.500%, 06/20/2043	538,109	489,607
Series 2014-181, Class L, 3.000%, 12/20/2044	334,000	298,577
Series 2015-144, Class CA, 2.500%, 10/20/2045	561,245	491,363
Series 2015-161, Class GF (1 month CME Term SOFR + 0.414%), 5.772%, 11/20/2045 (B)	303,436	294,172
Series 2016-93, Class AB, 1.750%, 07/20/2044	610,271	490,649
Series 2017-139, Class GA, 3.000%, 09/20/2047	1,282,021	1,163,033
Series 2017-167, Class BQ, 2.500%, 08/20/2044	425,028	389,046
Series 2018-65, Class DC, 3.500%, 05/20/2048	410,000	373,546
Series 2020-133, Class GA, 1.000%, 09/20/2050	666,928	563,188
Series 2020-138, Class LE, 1.500%, 09/20/2050	1,512,098	1,207,331
Series 2021-215, Class GA, 2.000%, 12/20/2051	342,968	293,433
Series 2021-227, Class E, 2.500%, 07/20/2050	2,382,532	2,075,994
Series 2021-27, Class BD, 5.000%, 02/20/2051	475,928	475,120
Series 2021-27, Class CW, 5.001%, 02/20/2051 (F)	616,556	606,683

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association (continued)		
Series 2021-27, Class NT, 5.000%, 02/20/2051	\$ 488,762	\$ 472,391
Series 2021-27, Class Q, 5.000%, 02/20/2051	430,566	417,406
Series 2021-8, Class CY, 5.000%, 01/20/2051	437,527	440,234
Series 2022-107, Class C, 2.500%, 06/20/2051	2,034,585	1,695,586
Series 2022-153, Class KA, 4.000%, 12/20/2049	568,322	552,274
Series 2022-191, Class B, 4.000%, 06/20/2041	2,382,000	2,238,146
Series 2022-191, Class BY, 4.000%, 08/20/2041	2,598,000	2,442,411
Series 2022-197, Class LF (30 day Average SOFR + 0.700%), 6.038%, 11/20/2052 (B)	1,844,343	1,827,235
Series 2022-205, Class A, 2.000%, 09/20/2051	738,408	592,363
Series 2022-31, Class GH, 2.500%, 12/20/2049	1,290,329	1,142,277
Series 2022-34, Class DN, 3.500%, 09/20/2041	1,060,669	992,031
Series 2022-5, Class BA, 2.000%, 10/20/2049	2,533,391	2,169,276
Series 2022-50, Class DC, 2.500%, 08/20/2051	593,578	519,252
Series 2022-66, Class CG, 3.500%, 04/20/2052	1,169,670	1,107,036
Series 2022-84, Class A, 2.500%, 01/20/2052	605,154	507,916
		107,442,572
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$129,798,637)		\$ 126,006,893
<b>ASSET BACKED SECURITIES – 7.3%</b>		
Ally Auto Receivables Trust		
Series 2022-3, Class A4 5.070%, 06/15/2031	331,000	332,133
American Express Credit Account Master Trust		
Series 2023-1, Class A 4.870%, 05/15/2028	432,000	435,165
AmeriCredit Automobile Receivables Trust		
Series 2022-2, Class A3 4.380%, 04/18/2028	633,000	626,852
Series 2023-1, Class A3 5.620%, 11/18/2027	295,000	296,737
Series 2023-2, Class A3 5.810%, 05/18/2028	599,000	606,110
BA Credit Card Trust		
Series 2023-A2, Class A2 4.980%, 11/15/2028	2,487,000	2,515,938
BMW Vehicle Lease Trust		
Series 2023-1, Class A4 5.070%, 06/25/2026	457,000	456,972
Capital One Prime Auto Receivables Trust		
Series 2023-1, Class A3 4.870%, 02/15/2028	1,070,000	1,070,215

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Chase Auto Owner Trust		
Series 2022-AA, Class A4 3.990%, 03/27/2028 (D)	\$ 416,000	\$ 407,622
Citibank Credit Card Issuance Trust		
Series 2023-A1, Class A1 5.230%, 12/08/2027	1,170,000	1,178,727
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month CME Term SOFR + 1.764%) 7.120%, 11/26/2046 (B)(D)	268,407	269,505
Series 2018-A, Class A2 4.130%, 12/26/2047 (D)	200,893	192,642
Series 2019-A, Class A2 3.280%, 12/28/2048 (D)	354,913	327,148
Discover Card Execution Note Trust		
Series 2023-A1, Class A 4.310%, 03/15/2028	1,151,000	1,142,962
Series 2023-A2, Class A 4.930%, 06/15/2028	2,632,000	2,652,082
Ford Credit Auto Owner Trust		
Series 2022-1, Class A 3.880%, 11/15/2034 (D)	933,000	907,692
Series 2022-D, Class A4 5.300%, 03/15/2028	299,000	302,221
Series 2023-A, Class A3 4.650%, 02/15/2028	1,281,000	1,276,266
GM Financial Automobile Leasing Trust		
Series 2023-2, Class A4 5.090%, 05/20/2027	416,000	415,787
Series 2023-3, Class A4 5.440%, 08/20/2027	264,000	266,175
GM Financial Consumer Automobile Receivables Trust		
Series 2022-4, Class A3 4.820%, 08/16/2027	510,000	508,055
Hertz Vehicle Financing LLC		
Series 2022-4A, Class A 3.730%, 09/25/2026 (D)	526,000	512,165
Series 2023-4A, Class A 6.150%, 03/25/2030 (D)	146,000	151,295
Hyundai Auto Lease Securitization Trust		
Series 2023-B, Class A4 5.170%, 04/15/2027 (D)	661,000	661,368
Series 2023-C, Class A4 5.840%, 09/15/2027 (D)	447,000	454,506
Hyundai Auto Receivables Trust		
Series 2021-C, Class A4 1.030%, 12/15/2027	549,000	516,602
Series 2022-A, Class A3 2.220%, 10/15/2026	974,977	952,792
Series 2022-A, Class A4 2.350%, 04/17/2028	341,000	324,879
Series 2023-A, Class A4 4.480%, 07/17/2028	599,000	593,847
Series 2023-B, Class A3 5.480%, 04/17/2028	338,000	343,714
Mercedes-Benz Auto Receivables Trust		
Series 2022-1, Class A4 5.250%, 02/15/2029	693,000	700,855
Series 2023-1, Class A4 4.310%, 04/16/2029	538,000	531,940
Navient Private Education Loan Trust		
Series 2014-AA, Class A3 (1 month CME Term SOFR + 1.714%) 7.076%, 10/15/2031 (B)(D)	253,637	254,095

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Navient Private Education Loan Trust (continued)		
Series 2016-AA, Class A2B (1 month CME Term SOFR + 2.264%) 7.626%, 12/15/2045 (B)(D)	\$ 174,735	\$ 175,690
Navient Private Education Refi Loan Trust		
Series 2018-CA, Class A2 3.520%, 06/16/2042 (D)	12,777	12,643
Series 2018-DA, Class A2A 4.000%, 12/15/2059 (D)	464,435	448,184
Series 2019-CA, Class A2 3.130%, 02/15/2068 (D)	364,493	349,939
Series 2019-D, Class A2A 3.010%, 12/15/2059 (D)	931,365	875,134
Series 2019-FA, Class A2 2.600%, 08/15/2068 (D)	517,282	481,608
Series 2020-EA, Class A 1.690%, 05/15/2069 (D)	89,820	81,338
Series 2020-GA, Class A 1.170%, 09/16/2069 (D)	362,123	324,157
Series 2021-BA, Class A 0.940%, 07/15/2069 (D)	214,552	186,584
Series 2021-CA, Class A 1.060%, 10/15/2069 (D)	895,368	776,069
Series 2021-EA, Class A 0.970%, 12/16/2069 (D)	1,229,299	1,059,388
Series 2021-FA, Class A 1.110%, 02/18/2070 (D)	774,865	659,852
Series 2021-GA, Class A 1.580%, 04/15/2070 (D)	192,834	167,180
Series 2022-A, Class A 2.230%, 07/15/2070 (D)	1,888,056	1,664,274
Navient Student Loan Trust		
Series 2021-3A, Class A1A 1.770%, 08/25/2070 (D)	859,443	755,535
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (90 day Average SOFR + 0.442%) 5.776%, 10/27/2036 (B)	538,268	528,534
Series 2004-4, Class A5 (90 day Average SOFR + 0.422%) 5.756%, 01/25/2037 (B)	442,850	437,537
Series 2005-1, Class A5 (90 day Average SOFR + 0.372%) 5.706%, 10/25/2033 (B)	1,686,990	1,656,545
Series 2005-2, Class A5 (90 day Average SOFR + 0.362%) 5.714%, 03/23/2037 (B)	1,576,559	1,547,504
Series 2005-3, Class A5 (90 day Average SOFR + 0.382%) 5.734%, 12/24/2035 (B)	1,082,904	1,064,993
Series 2005-4, Class A4 (90 day Average SOFR + 0.442%) 5.794%, 03/22/2032 (B)	294,693	280,490
Nissan Auto Lease Trust		
Series 2023-B, Class A4 5.610%, 11/15/2027	585,000	590,828
Nissan Auto Receivables Owner Trust		
Series 2022-B, Class A4 4.450%, 11/15/2029	415,000	411,428
PenFed Auto Receivables Owner Trust		
Series 2022-A, Class A3 3.960%, 04/15/2026 (D)	602,702	597,621
Series 2022-A, Class A4 4.180%, 12/15/2028 (D)	302,000	297,884

# John Hancock Variable Insurance Trust

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

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Santander Drive Auto Receivables Trust		
Series 2022-2, Class A3 2.980%, 10/15/2026	\$ 534,151	\$ 531,219
Series 2022-3, Class A3 3.400%, 12/15/2026	303,521	301,235
Series 2022-4, Class A3 4.140%, 02/16/2027	630,270	625,877
Series 2022-5, Class A3 4.110%, 08/17/2026	414,377	412,423
Series 2022-6, Class A3 4.490%, 11/16/2026	1,163,823	1,158,601
Series 2022-7, Class A3 5.750%, 04/15/2027	354,000	354,075
SMB Private Education Loan Trust		
Series 2016-B, Class A2A 2.430%, 02/17/2032 (D)	35,177	34,291
Series 2016-C, Class A2B (1 month CME Term SOFR + 1.214%) 6.576%, 09/15/2034 (B)(D)	92,554	92,562
Series 2020-PTB, Class A2A 1.600%, 09/15/2054 (D)	1,714,244	1,554,960
Series 2021-A, Class APT1 1.070%, 01/15/2053 (D)	1,110,813	972,093
Series 2021-B, Class A 1.310%, 07/17/2051 (D)	379,530	342,685
Series 2021-E, Class A1A 1.680%, 02/15/2051 (D)	720,089	651,129
SoFi Professional Loan Program LLC		
Series 2017-D, Class A2FX 2.650%, 09/25/2040 (D)	16,947	16,307
Series 2020-C, Class AFX 1.950%, 02/15/2046 (D)	74,105	67,404
Series 2021-B, Class AFX 1.140%, 02/15/2047 (D)	626,872	527,257
Synchrony Card Funding LLC		
Series 2023-A1, Class A 5.540%, 07/15/2029	1,869,000	1,903,572
T-Mobile US Trust		
Series 2022-1A, Class A 4.910%, 05/22/2028 (D)	656,000	654,652
Toyota Auto Receivables Owner Trust		
Series 2022-D, Class A4 5.430%, 04/17/2028	378,000	385,755
Series 2023-A, Class A4 4.420%, 08/15/2028	506,000	501,349
Series 2023-B, Class A3 4.710%, 02/15/2028	772,000	770,816
Series 2023-C, Class A3 5.160%, 04/17/2028	1,222,000	1,230,638
Verizon Master Trust		
Series 2022-2, Class A 1.530%, 07/20/2028	577,000	555,793
Series 2022-4, Class A (3.400% to 6-20-25, then 4.150% thereafter) 3.400%, 11/20/2028	1,025,000	1,002,180
Series 2022-6, Class A (3.670% to 7-20-25, then 4.420% thereafter) 3.670%, 01/22/2029	765,000	750,014
Series 2023-1, Class A (4.490% to 1-20-26, then 5.240% thereafter) 4.490%, 01/22/2029	1,174,000	1,167,734
Series 2023-2, Class A 4.890%, 04/13/2028	432,000	430,608
Series 2023-4, Class A1A 5.160%, 06/20/2029	1,984,000	2,007,580

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Volkswagen Auto Loan Enhanced Trust		
Series 2023-1, Class A3 5.020%, 06/20/2028	\$ 853,000	\$ 857,549
World Omni Select Auto Trust		
Series 2023-A, Class A2A 5.920%, 03/15/2027	577,984	578,169
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$59,680,999)		\$ 58,054,530
<b>SHORT-TERM INVESTMENTS – 2.4%</b>		
<b>Short-term funds – 2.4%</b>		
John Hancock Collateral Trust, 5.3645% (G)(H)	102,968	1,029,703
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (G)	17,865,037	17,865,037
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$18,894,794)</b>		\$ 18,894,740
<b>Total Investments (Core Bond Trust)</b> (Cost \$848,618,525) – 103.7%		\$ 830,165,589
<b>Other assets and liabilities, net – (3.7%)</b>		(29,727,906)
<b>TOTAL NET ASSETS – 100.0%</b>		\$ 800,437,683

### Security Abbreviations and Legend

CME	CME Group Published Rates
CMT	Constant Maturity Treasury
IBOR	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)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(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.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(E)	All or a portion of this security is on loan as of 12-31-23.
(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 12-31-23.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## High Yield Trust

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.4%</b>		
<b>Argentina – 0.4%</b>		
Provincia de Buenos Aires 6.375%, (6.375% to 9-1-24, then 6.625% thereafter), 09/01/2037 (A)	\$ 756,976	\$ 288,950
Republic of Argentina 0.750%, (0.750% to 7-9-27, then 1.750% thereafter), 07/09/2030	598,627	239,305

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Argentina (continued)</b>		
Republic of Argentina (continued)		
1.000%, 07/09/2029	\$ 59,073	\$ 23,452
3.625%, (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	179,727
		731,434
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b> (Cost \$1,127,887)		\$ 731,434
<b>CORPORATE BONDS – 82.8%</b>		
<b>Communication services – 10.9%</b>		
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	786,200
Altice Financing SA		
5.750%, 08/15/2029 (A)	780,000	692,179
Altice France Holding SA		
10.500%, 05/15/2027 (A)	640,000	414,476
Altice France SA		
5.125%, 07/15/2029 (A)	1,630,000	1,268,171
AMC Entertainment Holdings, Inc.		
7.500%, 02/15/2029 (A)(B)	1,060,000	736,261
Banjijay Entertainment SASU		
8.125%, 05/01/2029 (A)	460,000	473,586
CCO Holdings LLC		
4.250%, 02/01/2031 to 01/15/2034 (A)	220,000	186,747
4.500%, 05/01/2032	1,560,000	1,336,085
4.500%, 06/01/2033 (A)	260,000	219,996
4.750%, 02/01/2032 (A)	1,140,000	1,005,434
Charter Communications Operating LLC		
3.700%, 04/01/2051	610,000	396,762
6.484%, 10/23/2045	230,000	226,001
Clear Channel Outdoor Holdings, Inc.		
7.500%, 06/01/2029 (A)(B)	760,000	631,917
CSC Holdings LLC		
4.125%, 12/01/2030 (A)	240,000	182,580
5.000%, 11/15/2031 (A)	330,000	199,650
5.750%, 01/15/2030 (A)	600,000	373,500
6.500%, 02/01/2029 (A)	800,000	706,080
11.250%, 05/15/2028 (A)	380,000	391,537
Directv Financing LLC		
5.875%, 08/15/2027 (A)	880,000	826,828
DISH DBS Corp.		
5.125%, 06/01/2029	1,000,000	515,390
5.750%, 12/01/2028 (A)	900,000	717,840
5.875%, 11/15/2024	780,000	731,455
7.750%, 07/01/2026	870,000	605,964
Gannett Holdings LLC		
6.000%, 11/01/2026 (A)	620,000	547,150
iHeartCommunications, Inc.		
4.750%, 01/15/2028 (A)	190,000	146,168
5.250%, 08/15/2027 (A)	410,000	325,776
Match Group Holdings II LLC		
4.625%, 06/01/2028 (A)	670,000	641,525
Playtika Holding Corp.		
4.250%, 03/15/2029 (A)	490,000	427,549
Telecom Italia Capital SA		
6.000%, 09/30/2034	500,000	474,839
Time Warner Cable LLC		
7.300%, 07/01/2038	220,000	226,859
Univision Communications, Inc.		
8.000%, 08/15/2028 (A)	390,000	402,332

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
UPC Holding BV		
5.500%, 01/15/2028 (A)	\$ 430,000	\$ 405,374
Urban One, Inc.		
7.375%, 02/01/2028 (A)	340,000	288,993
Viavi Solutions, Inc.		
3.750%, 10/01/2029 (A)	270,000	236,369
Virgin Media Secured Finance PLC		
5.500%, 05/15/2029 (A)	330,000	318,860
Vmed O2 UK Financing I PLC		
4.750%, 07/15/2031 (A)	700,000	624,824
ZipRecruiter, Inc.		
5.000%, 01/15/2030 (A)	330,000	288,065
		19,727,134
<b>Consumer discretionary – 18.9%</b>		
Academy, Ltd.		
6.000%, 11/15/2027 (A)	250,000	245,522
Adtalem Global Education, Inc.		
5.500%, 03/01/2028 (A)	161,000	154,867
American Axle & Manufacturing, Inc.		
5.000%, 10/01/2029	1,080,000	954,133
American News Company LLC		
8.500%, (8.500% Cash or 10.000% PIK), 09/01/2026 (A)	639,721	711,690
Bath & Body Works, Inc.		
5.250%, 02/01/2028	340,000	336,281
6.625%, 10/01/2030 (A)	560,000	572,349
9.375%, 07/01/2025 (A)	340,000	358,952
Boyne USA, Inc.		
4.750%, 05/15/2029 (A)	250,000	235,099
Caesars Entertainment, Inc.		
4.625%, 10/15/2029 (A)	300,000	270,602
7.000%, 02/15/2030 (A)	850,000	871,621
8.125%, 07/01/2027 (A)	350,000	358,785
Carnival Corp.		
5.750%, 03/01/2027 (A)	460,000	448,699
6.000%, 05/01/2029 (A)	970,000	933,339
7.000%, 08/15/2029 (A)	370,000	386,324
10.500%, 06/01/2030 (A)	940,000	1,028,172
Carnival Holdings Bermuda, Ltd.		
10.375%, 05/01/2028 (A)	510,000	555,094
Carriage Purchaser, Inc.		
7.875%, 10/15/2029 (A)	720,000	589,474
Carriage Services, Inc.		
4.250%, 05/15/2029 (A)	390,000	346,375
Carrols Restaurant Group, Inc.		
5.875%, 07/01/2029 (A)	350,000	309,104
Dornoch Debt Merger Sub, Inc.		
6.625%, 10/15/2029 (A)(B)	410,000	369,643
Empire Communities Corp.		
7.000%, 12/15/2025 (A)	650,000	646,750
Fertitta Entertainment LLC		
4.625%, 01/15/2029 (A)	640,000	580,717
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	529,600
Ford Motor Company		
3.250%, 02/12/2032	540,000	449,120
6.100%, 08/19/2032	20,000	20,161
Ford Motor Credit Company LLC		
4.000%, 11/13/2030	810,000	726,803
5.113%, 05/03/2029	900,000	875,181
7.350%, 03/06/2030	940,000	1,009,843
Full House Resorts, Inc.		
8.250%, 02/15/2028 (A)(B)	1,160,000	1,090,400

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Melco Resorts Finance, Ltd. 5.375%, 12/04/2029 (A)	\$ 340,000	\$ 299,295
Mohegan Tribal Gaming Authority 8.000%, 02/01/2026 (A)(B) 13.250%, 12/15/2027 (A)	583,000 120,000	550,206 127,800
NCL Corp., Ltd. 5.875%, 02/15/2027 (A) 7.750%, 02/15/2029 (A) 8.125%, 01/15/2029 (A) 8.375%, 02/01/2028 (A)	2,260,000 610,000 690,000 800,000	2,240,490 613,693 720,762 847,116
NMG Holding Company, Inc. 7.125%, 04/01/2026 (A)	300,000	288,284
PetSmart, Inc. 7.750%, 02/15/2029 (A)	250,000	243,204
Royal Caribbean Cruises, Ltd. 3.700%, 03/15/2028 7.250%, 01/15/2030 (A) 11.625%, 08/15/2027 (A)	720,000 840,000 990,000	663,752 877,279 1,077,287
Sands China, Ltd. 3.500%, 08/08/2031 5.650%, 08/08/2028	430,000 200,000	359,866 198,330
Sizzling Platter LLC 8.500%, 11/28/2025 (A)	430,000	428,935
Speedway Motorsports LLC 4.875%, 11/01/2027 (A)	320,000	300,394
StoneMor, Inc. 8.500%, 05/15/2029 (A)	360,000	282,600
Sugarhouse HSP Gaming Prop Mezz LP 5.875%, 05/15/2025 (A)	270,000	268,219
The Michaels Companies, Inc. 5.250%, 05/01/2028 (A)	560,000	442,728
TopBuild Corp. 3.625%, 03/15/2029 (A)	490,000	443,995
Upbound Group, Inc. 6.375%, 02/15/2029 (A)(B)	790,000	741,423
Viking Cruises, Ltd. 5.875%, 09/15/2027 (A) 7.000%, 02/15/2029 (A) 9.125%, 07/15/2031 (A)	170,000 490,000 1,290,000	164,050 485,788 1,374,620
VOC Escrow, Ltd. 5.000%, 02/15/2028 (A)	1,000,000	957,819
WW International, Inc. 4.500%, 04/15/2029 (A)(B)	800,000	524,599
Wynn Macau, Ltd. 4.875%, 10/01/2024 (A) 5.625%, 08/26/2028 (A)	310,000 920,000	305,838 852,035
Wynn Resorts Finance LLC 5.125%, 10/01/2029 (A) 7.125%, 02/15/2031 (A)	190,000 600,000	179,319 624,853
ZF North America Capital, Inc. 7.125%, 04/14/2030 (A)	500,000	532,897
		33,982,536
<b>Consumer staples – 0.8%</b>		
Darling Ingredients, Inc. 6.000%, 06/15/2030 (A)	400,000	400,296
Simmons Foods, Inc. 4.625%, 03/01/2029 (A)	590,000	510,456
Triton Water Holdings, Inc. 6.250%, 04/01/2029 (A)	610,000	531,463
		1,442,215
<b>Energy – 10.8%</b>		
Antero Resources Corp. 5.375%, 03/01/2030 (A)	430,000	412,138
Berry Petroleum Company LLC 7.000%, 02/15/2026 (A)	1,000,000	967,500

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Blue Racer Midstream LLC 6.625%, 07/15/2026 (A) 7.625%, 12/15/2025 (A)	\$ 670,000 350,000	\$ 663,300 354,537
Chesapeake Energy Corp. 5.500%, 02/01/2026 (A)	80,000	79,307
Chord Energy Corp. 6.375%, 06/01/2026 (A)	1,100,000	1,100,000
CNX Midstream Partners LP 4.750%, 04/15/2030 (A)	740,000	664,507
Crescent Energy Finance LLC 9.250%, 02/15/2028 (A)	540,000	560,288
DCP Midstream Operating LP 6.450%, 11/03/2036 (A) 6.750%, 09/15/2037 (A)	280,000 200,000	297,731 219,799
Endeavor Energy Resources LP 5.750%, 01/30/2028 (A)	410,000	410,387
Energy Transfer LP 6.500%, (6.500% to 11-15-26, then 5 Year CMT + 5.694%), 11/15/2026 (D)	180,000	171,050
EQM Midstream Partners LP 5.500%, 07/15/2028 6.500%, 07/15/2048 7.500%, 06/01/2030 (A)	110,000 920,000 360,000	108,991 942,717 387,007
Hilcorp Energy I LP 6.250%, 04/15/2032 (A) 8.375%, 11/01/2033 (A)	530,000 440,000	509,813 466,154
Howard Midstream Energy Partners LLC 6.750%, 01/15/2027 (A) 8.875%, 07/15/2028 (A)	610,000 370,000	603,212 388,339
Nabors Industries, Ltd. 7.250%, 01/15/2026 (A)	620,000	595,950
Noble Finance II LLC 8.000%, 04/15/2030 (A)	390,000	405,816
Northern Oil and Gas, Inc. 8.125%, 03/01/2028 (A)	850,000	860,625
Permian Resources Operating LLC 5.875%, 07/01/2029 (A) 7.000%, 01/15/2032 (A) 8.000%, 04/15/2027 (A) 9.875%, 07/15/2031 (A)	200,000 700,000 260,000 570,000	194,992 722,171 269,510 633,413
Range Resources Corp. 4.750%, 02/15/2030 (A) 8.250%, 01/15/2029	120,000 490,000	110,927 507,137
Shelf Drilling Holdings, Ltd. 9.625%, 04/15/2029 (A)	620,000	606,709
SilverBow Resources, Inc. 13.135%, (3 month CME Term SOFR + 7.750%), 12/15/2028 (A)(E)(F)	890,000	872,200
Southwestern Energy Company 4.750%, 02/01/2032	790,000	730,917
Summit Midstream Holdings LLC 9.000%, 10/15/2026 (A)	380,000	376,968
Tallgrass Energy Partners LP 6.000%, 12/31/2030 (A)	590,000	548,430
Venture Global Calcasieu Pass LLC 3.875%, 11/01/2033 (A) 4.125%, 08/15/2031 (A) 6.250%, 01/15/2030 (A)	320,000 500,000 570,000	271,183 440,503 566,916
Venture Global LNG, Inc. 9.875%, 02/01/2032 (A)	800,000	833,311
Western Midstream Operating LP 3.100%, 02/01/2025	530,000	515,776
		19,370,231

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials – 10.7%</b>		
Acuris Finance U.S., Inc. 5.000%, 05/01/2028 (A)(B)	\$ 200,000	\$ 163,000
Apollo Commercial Real Estate Finance, Inc. 4.625%, 06/15/2029 (A)	790,000	664,380
Barclays PLC 8.000%, (8.000% to 6-15-24, then 5 Year CMT + 5.672%), 06/15/2024 (D)	380,000	377,387
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	390,542
7.750%, (7.750% to 8-16-29, then 5 Year CMT + 4.899%), 08/16/2029 (A)(D)	500,000	510,385
Burford Capital Global Finance LLC 6.250%, 04/15/2028 (A)	630,000	604,128
6.875%, 04/15/2030 (A)	500,000	482,536
9.250%, 07/01/2031 (A)	530,000	563,284
Citigroup, Inc. 5.950%, (5.950% to 5-15-25, then 3 month CME Term SOFR + 4.167%), 05/15/2025 (D)	180,000	176,185
6.300%, (6.300% to 5-15-24, then 3 month CME Term SOFR + 3.685%), 05/15/2024 (D)	410,000	404,273
Coinbase Global, Inc. 3.625%, 10/01/2031 (A)(B)	540,000	417,226
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)	860,000	875,738
FirstCash, Inc. 4.625%, 09/01/2028 (A)	530,000	494,725
5.625%, 01/01/2030 (A)	440,000	421,374
Global Aircraft Leasing Company, Ltd. 6.500%, (6.500% Cash or 7.250% PIK), 09/15/2024 (A)	1,825,678	1,716,137
GTCR W-2 Merger Sub LLC 7.500%, 01/15/2031 (A)	1,100,000	1,162,395
Highlands Holdings Bond Issuer, Ltd. 7.625%, (7.625% Cash or 8.375% PIK), 10/15/2025 (A)	945,962	961,291
Intesa Sanpaolo SpA 4.198%, (4.198% to 6-1-31, then 1 Year CMT + 2.600%), 06/01/2032 (A)	460,000	379,301
Jane Street Group 4.500%, 11/15/2029 (A)	480,000	447,611
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (A)	460,000	433,422
4.750%, 06/15/2029 (A)	300,000	270,505
Lloyds Banking Group PLC 8.000%, (8.000% to 3-27-30, then 5 Year CMT + 3.913%), 09/27/2029 (D)	760,000	761,518
Midcap Financial Issuer Trust 5.625%, 01/15/2030 (A)	380,000	337,250
6.500%, 05/01/2028 (A)	430,000	402,265
NMI Holdings, Inc. 7.375%, 06/01/2025 (A)	410,000	410,681
Paysafe Finance PLC 4.000%, 06/15/2029 (A)(B)	810,000	714,797
Rocket Mortgage LLC 3.875%, 03/01/2031 (A)	630,000	554,083
4.000%, 10/15/2033 (A)	680,000	577,679

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Ryan Specialty LLC 4.375%, 02/01/2030 (A)	\$ 520,000	\$ 482,300
StoneX Group, Inc. 8.625%, 06/15/2025 (A)	270,000	272,759
The Charles Schwab Corp. 4.000%, (4.000% to 12-1-30, then 10 Year CMT + 3.079%), 12/01/2030 (D)	340,000	268,535
The Toronto-Dominion Bank 8.125%, (8.125% to 10-31-27, then 5 Year CMT + 4.075%), 10/31/2082	510,000	530,802
UBS Group AG 6.537%, (6.537% to 8-12-32, then Overnight SOFR + 3.920%), 08/12/2033 (A)	480,000	512,235
9.016%, (9.016% to 11-15-32, then Overnight SOFR + 5.020%), 11/15/2033 (A)	310,000	381,063
9.250%, (9.250% to 11-13-28, then 5 Year CMT + 4.745%), 11/13/2028 (A)(D)	380,000	409,935
UniCredit SpA 5.459%, (5.459% to 6-30-30, then 5 Year CMT + 4.750%), 06/30/2035 (A)	720,000	677,144
		19,208,871
<b>Health care – 4.9%</b>		
AdaptHealth LLC 4.625%, 08/01/2029 (A)	110,000	84,893
Akumin, Inc. 7.000%, 11/01/2025 (A)(C)	720,000	583,200
AthenaHealth Group, Inc. 6.500%, 02/15/2030 (A)(B)	340,000	308,440
Bausch Health Companies, Inc. 5.250%, 01/30/2030 (A)	600,000	276,582
6.125%, 02/01/2027 (A)(B)	160,000	108,000
6.250%, 02/15/2029 (A)	1,220,000	539,992
Cano Health LLC 6.250%, 10/01/2028 (A)	420,000	29,431
Community Health Systems, Inc. 5.250%, 05/15/2030 (A)	1,073,000	897,400
6.125%, 04/01/2030 (A)	170,000	110,065
6.875%, 04/15/2029 (A)	370,000	238,750
10.875%, 01/15/2032 (A)	530,000	553,919
LifePoint Health, Inc. 9.875%, 08/15/2030 (A)	1,010,000	1,020,697
11.000%, 10/15/2030 (A)	400,000	421,261
Medline Borrower LP 3.875%, 04/01/2029 (A)	240,000	216,995
5.250%, 10/01/2029 (A)	520,000	490,140
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (A)(C)	720,000	460,800
Teva Pharmaceutical Finance Company LLC 6.150%, 02/01/2036 (B)	540,000	516,776
Teva Pharmaceutical Finance Netherlands III BV 5.125%, 05/09/2029 (B)	1,100,000	1,050,551
7.875%, 09/15/2029 (B)	200,000	215,552
8.125%, 09/15/2031	460,000	501,667
US Renal Care, Inc. 10.625%, 06/28/2028 (A)	336,000	255,360
		8,880,471
<b>Industrials – 13.7%</b>		
Advanced Drainage Systems, Inc. 6.375%, 06/15/2030 (A)	350,000	352,623

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Allied Universal Holdco LLC		
4.625%, 06/01/2028 (A)	\$ 520,000	\$ 475,210
6.625%, 07/15/2026 (A)	260,000	258,635
Alta Equipment Group, Inc.		
5.625%, 04/15/2026 (A)	650,000	627,047
American Airlines, Inc.		
5.750%, 04/20/2029 (A)	1,760,000	1,715,582
8.500%, 05/15/2029 (A)	720,000	760,319
Anagram International, Inc.		
10.000%, (0.000% Cash and 10.000% PIK), 08/15/2026 (A)(C)	96,829	968
ATS Corp.		
4.125%, 12/15/2028 (A)	300,000	275,918
Beacon Roofing Supply, Inc.		
6.500%, 08/01/2030 (A)	280,000	286,292
Bombardier, Inc.		
7.500%, 02/01/2029 (A)(B)	570,000	579,449
7.875%, 04/15/2027 (A)	170,000	170,030
8.750%, 11/15/2030 (A)	710,000	755,939
Brundage-Bone Concrete Pumping Holdings, Inc.		
6.000%, 02/01/2026 (A)	500,000	499,755
Clean Harbors, Inc.		
6.375%, 02/01/2031 (A)	310,000	314,977
CoreCivic, Inc.		
8.250%, 04/15/2026	1,070,000	1,088,567
Covanta Holding Corp.		
4.875%, 12/01/2029 (A)	510,000	445,582
Doman Building Materials Group, Ltd.		
5.250%, 05/15/2026 (A)	CAD 280,000	194,277
GFL Environmental, Inc.		
6.750%, 01/15/2031 (A)	\$ 600,000	618,169
H&E Equipment Services, Inc.		
3.875%, 12/15/2028 (A)	1,000,000	909,316
JB Poindexter & Company, Inc.		
8.750%, 12/15/2031 (A)	450,000	459,000
Legends Hospitality Holding Company LLC		
5.000%, 02/01/2026 (A)	850,000	848,725
Madison IAQ LLC		
4.125%, 06/30/2028 (A)	460,000	418,205
5.875%, 06/30/2029 (A)	550,000	484,596
Mileage Plus Holdings LLC		
6.500%, 06/20/2027 (A)	350,000	350,994
MIWD Holdco II LLC		
5.500%, 02/01/2030 (A)	320,000	283,200
Park-Ohio Industries, Inc.		
6.625%, 04/15/2027 (B)	270,000	249,750
PGT Innovations, Inc.		
4.375%, 10/01/2029 (A)	360,000	358,716
PM General Purchaser LLC		
9.500%, 10/01/2028 (A)	1,050,000	1,064,789
Prime Security Services Borrower LLC		
6.250%, 01/15/2028 (A)	920,000	914,635
R.R. Donnelley & Sons Company		
9.750%, 07/31/2028 (A)	360,000	357,750
Roller Bearing Company of America, Inc.		
4.375%, 10/15/2029 (A)	730,000	675,564
RXO, Inc.		
7.500%, 11/15/2027 (A)	160,000	165,098
Spirit Loyalty Cayman, Ltd.		
8.000%, 09/20/2025 (A)(B)	316,000	227,257
8.000%, 09/20/2025 (A)	530,000	381,159

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
The GEO Group, Inc.		
9.500%, 12/31/2028 (A)	\$ 945,000	\$ 911,926
10.500%, 06/30/2028	367,000	372,505
Titan International, Inc.		
7.000%, 04/30/2028	670,000	670,282
TransDigm, Inc.		
6.750%, 08/15/2028 (A)	630,000	644,542
7.125%, 12/01/2031 (A)	350,000	366,770
Tutor Perini Corp.		
6.875%, 05/01/2025 (A)	280,000	273,211
United Airlines 2020-1 Class B Pass Through Trust		
4.875%, 01/15/2026	182,400	176,678
United Airlines, Inc.		
4.625%, 04/15/2029 (A)	460,000	430,208
United Rentals North America, Inc.		
3.875%, 02/15/2031	510,000	463,386
5.250%, 01/15/2030	400,000	393,848
6.000%, 12/15/2029 (A)	280,000	284,275
Vertiv Group Corp.		
4.125%, 11/15/2028 (A)	760,000	713,047
VistaJet Malta Finance PLC		
6.375%, 02/01/2030 (A)(B)	690,000	481,876
7.875%, 05/01/2027 (A)(B)	300,000	258,026
9.500%, 06/01/2028 (A)	80,000	67,704
XPO CNW, Inc.		
6.700%, 05/01/2034	370,000	378,392
XPO, Inc.		
7.125%, 02/01/2032 (A)	220,000	227,058
		24,681,827
<b>Information technology – 3.1%</b>		
CA Magnum Holdings		
5.375%, 10/31/2026 (A)	410,000	381,300
Central Parent, Inc.		
7.250%, 06/15/2029 (A)	650,000	662,908
CommScope Technologies LLC		
5.000%, 03/15/2027 (A)	730,000	303,863
CommScope, Inc.		
4.750%, 09/01/2029 (A)	1,500,000	1,007,108
Elastic NV		
4.125%, 07/15/2029 (A)	570,000	523,401
Gen Digital, Inc.		
7.125%, 09/30/2030 (A)	340,000	355,239
Helios Software Holdings, Inc.		
4.625%, 05/01/2028 (A)	530,000	483,498
NCR Atleos Corp.		
9.500%, 04/01/2029 (A)	590,000	626,873
Open Text Corp.		
6.900%, 12/01/2027 (A)	360,000	374,274
Rackspace Technology Global, Inc.		
3.500%, 02/15/2028 (A)	630,000	253,011
Vericast Corp.		
11.000%, 09/15/2026 (A)	650,000	689,000
		5,660,475
<b>Materials – 4.7%</b>		
ARD Finance SA		
6.500%, (6.500% Cash or 7.250% PIK), 06/30/2027 (A)(B)	1,150,000	537,257
Ardagh Metal Packaging Finance USA LLC		
4.000%, 09/01/2029 (A)	800,000	677,181
6.000%, 06/15/2027 (A)	320,000	318,854
Canpack SA		
3.875%, 11/15/2029 (A)	700,000	599,984



# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Cascades, Inc. 5.375%, 01/15/2028 (A)	\$ 530,000	\$ 512,775
First Quantum Minerals, Ltd. 6.875%, 03/01/2026 to 10/15/2027 (A)	900,000	773,919
8.625%, 06/01/2031 (A)	510,000	432,225
Freeport-McMoRan, Inc. 5.450%, 03/15/2043	1,060,000	1,031,211
Hudbay Minerals, Inc. 6.125%, 04/01/2029 (A)	790,000	774,578
LSF11 A5 HoldCo LLC 6.625%, 10/15/2029 (A)	530,000	448,187
Midwest Vanadium Proprietary, Ltd. 11.500%, 02/15/2018 (A)(C)	912,943	1,780
Northwest Acquisitions ULC 7.125%, 11/01/2022 (A)(C)	950,000	95
Olin Corp. 5.000%, 02/01/2030	420,000	400,745
Smyrna Ready Mix Concrete LLC 6.000%, 11/01/2028 (A)	950,000	935,350
8.875%, 11/15/2031 (A)	470,000	494,053
Summit Materials LLC 5.250%, 01/15/2029 (A)	600,000	580,500
		8,518,694
<b>Real estate – 2.7%</b>		
Cushman & Wakefield US Borrower LLC 8.875%, 09/01/2031 (A)	180,000	190,759
Diversified Healthcare Trust 4.375%, 03/01/2031	250,000	187,500
4.750%, 02/15/2028 (B)	220,000	169,007
9.750%, 06/15/2025	170,000	166,856
Five Point Operating Company LP 7.875%, 11/15/2025 (A)	800,000	792,000
Forestar Group, Inc. 3.850%, 05/15/2026 (A)	550,000	523,916
5.000%, 03/01/2028 (A)	250,000	240,502
IIP Operating Partnership LP 5.500%, 05/25/2026	890,000	821,697
Iron Mountain Information Management Services, Inc. 5.000%, 07/15/2032 (A)	410,000	375,551
MPT Operating Partnership LP 3.500%, 03/15/2031	200,000	125,045
4.625%, 08/01/2029	260,000	186,956
Park Intermediate Holdings LLC 5.875%, 10/01/2028 (A)	390,000	383,557
Service Properties Trust 5.500%, 12/15/2027	400,000	366,223
8.625%, 11/15/2031 (A)	390,000	408,499
		4,938,068
<b>Utilities – 1.6%</b>		
Calpine Corp. 3.750%, 03/01/2031 (A)	300,000	263,125
Suburban Propane Partners LP 5.000%, 06/01/2031 (A)	340,000	308,239
Sunnova Energy Corp. 5.875%, 09/01/2026 (A)(B)	1,200,000	1,021,512
11.750%, 10/01/2028 (A)	250,000	227,500
Superior Plus LP 4.500%, 03/15/2029 (A)	290,000	268,908
TransAlta Corp. 7.750%, 11/15/2029	310,000	329,246

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Vistra Operations Company LLC 7.750%, 10/15/2031 (A)	\$ 420,000	\$ 436,207
		2,854,737
<b>TOTAL CORPORATE BONDS</b> (Cost \$162,880,442)		
		\$ 149,265,259
<b>CONVERTIBLE BONDS – 0.6%</b>		
<b>Communication services – 0.2%</b>		
DISH Network Corp. 3.375%, 08/15/2026	530,000	280,900
<b>Consumer discretionary – 0.2%</b>		
DraftKings Holdings, Inc. 5.323%, 03/15/2028 (G)	470,000	376,705
<b>Industrials – 0.1%</b>		
Spirit Airlines, Inc. 1.000%, 05/15/2026	260,000	180,180
<b>Utilities – 0.1%</b>		
NextEra Energy Partners LP 2.500%, 06/15/2026 (A)	190,000	170,240
<b>TOTAL CONVERTIBLE BONDS</b> (Cost \$1,362,094)		
		\$ 1,008,025
<b>TERM LOANS (H) – 4.1%</b>		
<b>Consumer discretionary – 1.3%</b>		
Adtalem Global Education, Inc., 2021 Term Loan B (1 month CME Term SOFR + 4.000%) 9.470%, 08/12/2028	287,116	287,372
Clarios Global LP, 2023 Incremental Term Loan (1 month CME Term SOFR + 3.750%) 9.106%, 05/06/2030	349,125	349,561
Equinox Holdings, Inc., 2020 Term Loan B2 (6 month LIBOR + 9.000%) 14.610%, 03/08/2024	366,700	356,524
First Brands Group LLC, 2021 Term Loan (6 month CME Term SOFR + 5.000%) 10.881%, 03/30/2027	340,375	336,971
Spencer Spirit IH LLC, Term Loan B (1 month CME Term SOFR + 6.000%) 11.441%, 06/19/2026	565,570	562,600
Upbound Group, Inc., 2021 First Lien Term Loan B (3 month CME Term SOFR + 3.250%) 9.119%, 02/17/2028	554,907	554,214
		2,447,242
<b>Financials – 0.6%</b>		
Acrisure LLC, 2020 Term Loan B (3 month LIBOR + 3.500%) 9.150%, 02/15/2027	442,750	441,249
Asurion LLC, 2022 Term Loan B10 (1 month CME Term SOFR + 4.000%) 9.456%, 08/19/2028	395,000	392,839
Deerfield Dakota Holding LLC, 2021 USD 2nd Lien Term Loan (3 month CME Term SOFR + 6.750%) 12.360%, 04/07/2028	190,000	180,738
		1,014,826
<b>Health care – 0.4%</b>		
Eyecare Partners LLC, 2020 Term Loan (3 month CME Term SOFR + 3.750%) 9.395%, 02/18/2027	262,616	127,077
Eyecare Partners LLC, 2022 Incremental Term Loan (3 month CME Term SOFR + 4.500%) 9.983%, 11/15/2028	376,200	184,338

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (H) (continued)</b>		
<b>Health care (continued)</b>		
LifePoint Health, Inc., 2023 Term Loan B (3 month CME Term SOFR + 5.500%) 11.168%, 11/16/2028	\$ 356,357	\$ 354,843
		666,258
<b>Industrials – 0.5%</b>		
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month CME Term SOFR + 5.250%) 10.770%, 06/21/2027	315,000	325,351
R.R. Donnelley & Sons Company, 2023 Term Loan B (1 month CME Term SOFR + 7.250%) 12.706%, 03/08/2028	578,292	577,135
		902,486
<b>Information technology – 1.1%</b>		
Dcert Buyer, Inc., 2021 2nd Lien Term Loan (1 month CME Term SOFR + 7.000%) 12.356%, 02/19/2029	820,000	742,953
Global Tel*Link Corp., 2018 1st Lien Term Loan (3 month CME Term SOFR + 4.250%) 9.783%, 11/29/2025	481,301	458,078
MRI Software LLC, 2020 Term Loan (3 month CME Term SOFR + 5.500%) 10.948%, 02/10/2026	61,436	59,977
MRI Software LLC, 2020 Term Loan B (3 month CME Term SOFR + 5.500%) 10.948%, 02/10/2027	106,821	104,284
Neptune Bidco US, Inc., 2022 USD Term Loan B (3 month CME Term SOFR + 5.000%) 10.507%, 04/11/2029	208,950	190,406
Peraton Corp., Term Loan B (1 month CME Term SOFR + 3.750%) 9.206%, 02/01/2028	409,293	409,805
		1,965,503
<b>Materials – 0.2%</b>		
Arctic Canadian Diamond Company, Ltd., 2nd Lien PIK Term Loan (3 month LIBOR + 10.000%) 10.000%, 12/31/2027 (E)	488,697	438,801
<b>TOTAL TERM LOANS (Cost \$7,841,440)</b>		<b>\$ 7,435,116</b>
<b>ASSET BACKED SECURITIES – 7.1%</b>		
<b>Aimco CLO, Ltd.</b>		
Series 2020-12A, Class DR (3 month CME Term SOFR + 2.900%) 8.303%, 01/17/2032 (A)(F)	350,000	345,050
<b>Balboa Bay Loan Funding, Ltd.</b>		
Series 2020-1A, Class ER (3 month CME Term SOFR + 6.662%) 12.074%, 01/20/2032 (A)(F)	500,000	479,847
<b>Ballyrock CLO, Ltd.</b>		
Series 2022-19A, Class D (3 month CME Term SOFR + 7.110%) 12.526%, 04/20/2035 (A)(F)	710,000	678,170
<b>Barings CLO, Ltd.</b>		
Series 2018-3A, Class D (3 month CME Term SOFR + 3.162%) 8.577%, 07/20/2029 (A)(F)	250,000	249,987
Series 2020-4A, Class E (3 month CME Term SOFR + 5.942%) 11.357%, 01/20/2032 (A)(F)	330,000	319,641

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
<b>Battalion CLO, Ltd.</b>		
Series 2021-20A, Class D (3 month CME Term SOFR + 3.362%) 8.755%, 07/15/2034 (A)(F)	\$ 250,000	\$ 237,056
<b>Benefit Street Partners CLO XII, Ltd.</b>		
Series 2017-12A, Class C (3 month CME Term SOFR + 3.312%) 8.705%, 10/15/2030 (A)(F)	250,000	247,328
<b>Carlyle US CLO, Ltd.</b>		
Series 2017-2A, Class C (3 month CME Term SOFR + 3.962%) 9.377%, 07/20/2031 (A)(F)	500,000	480,062
<b>Catskill Park CLO, Ltd.</b>		
Series 2017-1A, Class D (3 month CME Term SOFR + 6.262%) 11.677%, 04/20/2029 (A)(F)	500,000	478,577
<b>Clover CLO LLC</b>		
Series 2018-1A, Class DR (3 month CME Term SOFR + 3.362%) 8.777%, 04/20/2032 (A)(F)	260,000	259,992
<b>Dryden CLO, Ltd.</b>		
Series 2019-75A, Class ER2 (3 month CME Term SOFR + 6.862%) 12.255%, 04/15/2034 (A)(F)	470,000	432,271
<b>Eaton Vance CLO, Ltd.</b>		
Series 2020-2A, Class ER (3 month CME Term SOFR + 6.762%) 12.155%, 01/15/2035 (A)(F)	440,000	431,085
<b>Great Lakes CLO, Ltd.</b>		
Series 2014-1A, Class CR (3 month CME Term SOFR + 2.962%) 8.355%, 10/15/2029 (A)(F)	400,000	393,805
<b>Greenwood Park CLO, Ltd.</b>		
Series 2018-1A, Class D (3 month CME Term SOFR + 2.762%) 8.155%, 04/15/2031 (A)(F)	290,000	279,777
Series 2018-1A, Class E (3 month CME Term SOFR + 5.212%) 10.605%, 04/15/2031 (A)(F)	250,000	225,083
<b>Greywolf CLO IV, Ltd.</b>		
Series 2019-1A, Class CR (3 month CME Term SOFR + 3.910%) 9.313%, 04/17/2034 (A)(F)	250,000	249,977
<b>Grippen Park CLO, Ltd.</b>		
Series 2017-1A, Class E (3 month CME Term SOFR + 5.962%) 11.377%, 01/20/2030 (A)(F)	420,000	408,324
<b>ICG US CLO, Ltd.</b>		
Series 2022-1A, Class DJ (3 month CME Term SOFR + 5.730%) 11.146%, 07/20/2035 (A)(F)	325,000	324,007
<b>Magnetite VII, Ltd.</b>		
Series 2012-7A, Class DR2 (3 month CME Term SOFR + 4.762%) 10.155%, 01/15/2028 (A)(F)	490,000	486,348
<b>Magnetite XII, Ltd.</b>		
Series 2015-12A, Class ER (3 month CME Term SOFR + 5.942%) 11.335%, 10/15/2031 (A)(F)	300,000	299,991
<b>Magnetite XXIV, Ltd.</b>		
Series 2019-24A, Class ER (3 month CME Term SOFR + 6.400%) 11.794%, 04/15/2035 (A)(F)	250,000	245,697
<b>MKS CLO, Ltd.</b>		
Series 2017-2A, Class D (3 month CME Term SOFR + 2.912%) 8.327%, 01/20/2031 (A)(F)	250,000	245,656

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Mountain View CLO IX, Ltd.		
Series 2015-9A, Class CR (3 month CME Term SOFR + 3.382%) 8.775%, 07/15/2031 (A)(F)	\$ 250,000	\$ 233,955
Neuberger Berman CLO XVIII, Ltd.		
Series 2014-18A, Class DR2 (3 month CME Term SOFR + 6.182%) 11.594%, 10/21/2030 (A)(F)	250,000	249,979
Neuberger Berman CLO XVI-S, Ltd.		
Series 2017-16SA, Class DR (3 month CME Term SOFR + 3.162%) 8.555%, 04/15/2034 (A)(F)	400,000	396,000
Neuberger Berman Loan Advisers CLO, Ltd.		
Series 2017-25A, Class DR (3 month CME Term SOFR + 3.112%) 8.507%, 10/18/2029 (A)(F)	250,000	247,882
Series 2018-28A, Class D (3 month CME Term SOFR + 3.112%) 8.527%, 04/20/2030 (A)(F)	300,000	295,529
Oaktree CLO, Ltd.		
Series 2022-2A, Class DR (3 month CME Term SOFR + 4.500%) 9.831%, 07/15/2033 (A)(F)	450,000	450,000
Octagon 55, Ltd.		
Series 2021-1A, Class D (3 month CME Term SOFR + 3.362%) 8.777%, 07/20/2034 (A)(F)	360,000	352,818
OHA Credit Funding, Ltd.		
Series 2020-7A, Class DR (3 month CME Term SOFR + 3.100%) 8.497%, 02/24/2037 (A)(F)	250,000	250,010
Palmer Square Loan Funding, Ltd.		
Series 2022-3A, Class C (3 month CME Term SOFR + 5.400%) 10.794%, 04/15/2031 (A)(F)	390,000	390,237
Sculptor CLO XXVI, Ltd.		
Series 2026-A, Class E (3 month CME Term SOFR + 7.512%) 12.927%, 07/20/2034 (A)(F)	280,000	266,681
Symphony CLO, Ltd.		
Series 2023-40A, Class D (3 month CME Term SOFR + 5.000%) 10.344%, 01/14/2034 (A)(F)	160,000	161,537
Trinitas CLO XXVI, Ltd.		
Series 2023-26A, Class D (3 month CME Term SOFR + 4.500%) 9.831%, 01/20/2035 (A)(F)	870,000	870,000
Venture XVII CLO, Ltd.		
Series 2014-17A, Class DRR (3 month CME Term SOFR + 3.082%) 8.475%, 04/15/2027 (A)(F)	350,000	349,976
Voya CLO III, Ltd.		
Series 2020-3A, Class DR (3 month CME Term SOFR + 3.512%) 8.927%, 10/20/2034 (A)(F)	500,000	488,518
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$12,810,536)		<b>\$ 12,800,853</b>
<b>COMMON STOCKS – 0.5%</b>		
<b>Communication services – 0.0%</b>		
New Cotai, Inc., Class B (E)(I)(J)	3	0
<b>Energy – 0.5%</b>		
Berry Corp.	62,206	437,301
Chord Energy Corp.	2,636	438,182
KCAD Holdings I, Ltd. (E)(I)(J)	165,553,563	166

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Energy (continued)</b>		
MWO Holdings LLC (E)(I)(J)	445	\$ 2,768
Permian Production (E)(J)	19,583	11,750
		890,167
<b>TOTAL COMMON STOCKS (Cost \$2,804,636)</b>		<b>\$ 890,167</b>
<b>PREFERRED SECURITIES – 0.5%</b>		
<b>Energy – 0.5%</b>		
Equitrans Midstream Corp., 9.750% (9.750% to 3-31-24, then 3 month LIBOR + 8.150%)	23,712	527,592
MPLX LP, 9.538% (E)	8,125	289,900
<b>TOTAL PREFERRED SECURITIES (Cost \$791,655)</b>		<b>\$ 817,492</b>
<b>ESCROW SHARES – 0.0%</b>		
Arctic Canadian Diamonds Holding Units (E)(J)	494	67,018
<b>TOTAL ESCROW SHARES (Cost \$0)</b>		<b>\$ 67,018</b>
<b>ESCROW CERTIFICATES – 0.0%</b>		
Adelphia Communications Corp. (E)(J)	\$ 3,000,000	0
Adelphia Communications Corp. (E)(J)	2,050,000	0
Adelphia Communications Corp. (E)(J)	1,025,000	0
Magellan Health, Inc. (E)(J)	1,930,000	0
<b>TOTAL ESCROW CERTIFICATES (Cost \$338,778)</b>		<b>\$ 0</b>
<b>SHORT-TERM INVESTMENTS – 5.6%</b>		
<b>Short-term funds – 5.6%</b>		
John Hancock Collateral Trust, 5.3645% (K)(L)	744,452	7,444,672
State Street Institutional Treasury Plus Money Market Fund, Premier Class, 5.2903% (K)	2,663,999	2,663,999
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$10,108,224)</b>		<b>\$ 10,108,671</b>
<b>Total Investments (High Yield Trust)</b> <b>(Cost \$200,065,692) – 101.6%</b>		<b>\$ 183,124,035</b>
<b>Other assets and liabilities, net – (1.6%)</b>		<b>(2,797,537)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 180,326,498</b>

### Currency Abbreviations

CAD Canadian Dollar

### Security Abbreviations and Legend

CME	CME Group Published Rates
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 \$137,060,749 or 76.0% of the fund's net assets as of 12-31-23.
(B)	All or a portion of this security is on loan as of 12-31-23.
(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)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(F)	Variable rate obligation. The coupon rate shown represents the rate at period end.

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

- (G) 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.
- (H) Term loans are variable rate obligations. The 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.

## High Yield Trust (continued)

- (J) Non-income producing security.
- (K) The rate shown is the annualized seven-day yield as of 12-31-23.
- (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 <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	81	Long	Mar 2024	\$8,612,816	\$8,810,648	\$197,832
						<b>\$197,832</b>

<sup>^</sup> 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 469,263	BNP	1/19/2024	\$19,669	—
MXN 195,721	USD 10,665	JPM	1/19/2024	832	—
USD 1,713	CAD 2,334	JPM	1/19/2024	—	\$(49)
				<b>\$20,501</b>	<b>\$(49)</b>

### 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	The Goodyear Tire & Rubber Company	470,000	USD	\$470,000	5.000%	Quarterly	Jun 2027	\$(5,903)	\$(40,040)	\$(45,943)
Centrally cleared	General Motors Company	380,000	USD	380,000	5.000%	Quarterly	Dec 2028	(50,141)	(9,713)	(59,854)
Centrally cleared	Southwest Airlines Company	1,152,000	USD	1,152,000	1.000%	Quarterly	Dec 2028	5,829	(10,264)	(4,435)
				<b>\$2,002,000</b>				<b>\$(50,215)</b>	<b>\$(60,017)</b>	<b>\$(110,232)</b>

#### 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.	0.655%	750,000	USD	\$750,000	1.000%	Quarterly	Jun 2026	\$(17,024)	\$23,346	\$6,322
Centrally cleared	Ford Motor Company	1.362%	800,000	USD	800,000	5.000%	Quarterly	Dec 2026	73,444	5,321	78,765
Centrally cleared	American Axle & Manufacturing, Inc.	4.192%	470,000	USD	470,000	5.000%	Quarterly	Dec 2028	(987)	17,127	16,140
Centrally cleared	CDX.NA.HY.41	3.559%	2,484,900	USD	2,484,900	5.000%	Quarterly	Dec 2028	50,544	98,953	149,497
Centrally cleared	Ford Motor Company	2.015%	380,000	USD	380,000	5.000%	Quarterly	Dec 2028	39,657	9,903	49,560
Centrally cleared	United Airlines Holdings	4.780%	768,000	USD	768,000	5.000%	Quarterly	Dec 2028	(6,403)	14,343	7,940
					<b>\$5,652,900</b>				<b>\$139,231</b>	<b>\$168,993</b>	<b>\$308,224</b>

#### Derivatives Currency Abbreviations

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

# John Hancock Variable Insurance Trust

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

## High Yield Trust (continued)

### Derivatives Abbreviations

BNP	BNP Paribas
JPM	JPMorgan Chase Bank, N.A.
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
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 65.3%</b>		
<b>U.S. Government – 26.3%</b>		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 4,170,000	\$ 2,247,076
1.875%, 11/15/2051	4,890,000	3,091,397
2.250%, 08/15/2046	3,655,000	2,598,619
2.500%, 02/15/2045 (A)	1,619,000	1,225,950
2.500%, 02/15/2046	648,000	486,228
3.000%, 11/15/2044 to 08/15/2052	11,680,000	9,580,970
3.125%, 08/15/2044 (A)	5,535,000	4,686,804
3.125%, 05/15/2048	3,205,000	2,670,166
3.375%, 08/15/2042 to 05/15/2044	2,490,000	2,203,383
3.625%, 02/15/2053 to 05/15/2053	2,985,000	2,758,818
3.750%, 11/15/2043	2,253,000	2,105,499
4.375%, 11/15/2039	1,170,000	1,218,765
U.S. Treasury Inflation Protected Securities		
0.250%, 07/15/2029 to 02/15/2050	5,338,930	4,202,079
1.375%, 07/15/2033	212,743	206,236
U.S. Treasury Notes		
1.625%, 05/15/2031	6,790,000	5,824,282
1.875%, 02/15/2032	3,110,000	2,673,750
2.750%, 08/15/2032	2,945,000	2,696,976
3.375%, 05/15/2033	1,025,000	983,680
3.875%, 08/15/2033	1,805,000	1,802,744
4.500%, 11/15/2033	2,525,000	2,650,855
4.625%, 10/15/2026	445,000	451,605
		56,365,882
<b>U.S. Government Agency – 39.0%</b>		
Federal Home Loan Mortgage Corp.		
2.000%, 03/01/2051	2,751,550	2,260,650
2.500%, 01/01/2052 to 05/01/2052	4,103,559	3,495,004
3.000%, 12/01/2046 to 04/01/2048	239,157	215,305
3.500%, 03/01/2048 to 06/01/2048	647,129	604,037
5.000%, 12/01/2034 to 09/01/2052	2,027,548	2,012,636
6.500%, 04/01/2029 to 08/01/2034	4,130	4,321
7.500%, 12/01/2025 to 05/01/2028	834	852
Federal National Mortgage Association		
2.000%, TBA (B)	3,600,000	3,132,056
2.000%, 04/01/2051 to 05/01/2051	8,231,208	6,757,528
2.500%, TBA (B)	3,100,000	2,640,328
2.500%, 07/01/2030 to 04/01/2050	1,173,703	1,029,370
2.660%, 03/01/2027	758,048	719,620
3.000%, TBA (B)	1,400,000	1,239,219
3.500%, 06/01/2046 to 05/01/2048	2,392,347	2,232,915
4.000%, TBA (B)	3,700,000	3,501,701
4.500%, TBA (B)	5,275,000	5,117,572
5.000%, TBA (B)	2,600,000	2,573,999
5.000%, 09/01/2052	1,950,008	1,934,232
5.500%, TBA (B)	10,230,000	10,280,356
6.000%, TBA (B)	13,200,000	13,410,385
Government National Mortgage Association		
2.000%, 12/20/2050	2,584,967	2,188,854
3.000%, TBA (B)	4,900,000	4,439,245
3.500%, TBA (B)	4,200,000	3,912,040

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association (continued)		
4.000%, TBA (B)	\$ 2,600,000	\$ 2,483,860
4.000%, 11/15/2040 to 02/15/2042	17,878	17,331
4.500%, TBA (B)	4,600,000	4,490,834
5.000%, TBA (B)	2,900,000	2,882,391
6.000%, 08/15/2032 to 04/15/2035	22,577	23,385
6.500%, 06/15/2028 to 02/15/2035	11,011	11,274
7.000%, 11/15/2031 to 11/15/2033	46,210	47,403
		83,658,703
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS</b>		
(Cost \$152,526,060)	\$	140,024,585
<b>FOREIGN GOVERNMENT OBLIGATIONS – 2.9%</b>		
<b>Angola – 0.1%</b>		
Republic of Angola		
8.000%, 11/26/2029	200,000	177,380
<b>Benin – 0.1%</b>		
Republic of Benin		
4.950%, 01/22/2035	EUR 305,000	264,381
<b>Bermuda – 0.2%</b>		
Government of Bermuda		
2.375%, 08/20/2030 (C)	\$ 200,000	171,178
5.000%, 07/15/2032 (C)	200,000	198,400
		369,578
<b>Brazil – 0.5%</b>		
Federative Republic of Brazil		
10.000%, 01/01/2031	BRL 4,983,000	1,012,832
<b>Chile – 0.0%</b>		
Republic of Chile		
1.250%, 01/22/2051	EUR 165,000	101,660
<b>Colombia – 0.2%</b>		
Republic of Colombia		
5.000%, 06/15/2045	\$ 200,000	154,998
5.625%, 02/26/2044	200,000	167,903
		322,901
<b>Costa Rica – 0.1%</b>		
Republic of Costa Rica		
6.550%, 04/03/2034 (C)	200,000	207,000
<b>Hungary – 0.4%</b>		
Republic of Hungary		
1.625%, 04/28/2032	EUR 735,000	658,114
6.125%, 05/22/2028 (C)	\$ 235,000	244,092
		902,206
<b>Indonesia – 0.2%</b>		
Republic of Indonesia		
1.100%, 03/12/2033	EUR 530,000	461,517
<b>Ivory Coast – 0.1%</b>		
Republic of Ivory Coast		
4.875%, 01/30/2032	225,000	208,835

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>North Macedonia – 0.2%</b>		
Republic of North Macedonia		
2.750%, 01/18/2025	EUR 210,000	\$ 226,021
3.675%, 06/03/2026 (C)	265,000	283,361
		509,382
<b>Philippines – 0.2%</b>		
Republic of the Philippines		
1.200%, 04/28/2033	330,000	291,585
1.750%, 04/28/2041	200,000	153,941
		445,526
<b>Romania – 0.5%</b>		
Republic of Romania		
2.625%, 12/02/2040 (C)	335,000	247,708
2.750%, 04/14/2041	815,000	602,812
3.375%, 02/08/2038	170,000	146,601
		997,121
<b>Saudi Arabia – 0.1%</b>		
Kingdom of Saudi Arabia		
2.000%, 07/09/2039	155,000	132,145
5.000%, 01/18/2053 (C)	\$ 200,000	188,264
		320,409
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$7,597,645)</b>		<b>\$ 6,300,728</b>
<b>CORPORATE BONDS – 29.5%</b>		
<b>Communication services – 1.9%</b>		
AT&T, Inc.		
3.550%, 09/15/2055	348,000	250,204
3.800%, 12/01/2057	51,000	37,910
Charter Communications Operating LLC		
2.250%, 01/15/2029	80,000	69,413
3.500%, 03/01/2042	42,000	29,215
5.125%, 07/01/2049	45,000	36,547
5.750%, 04/01/2048	65,000	57,686
6.484%, 10/23/2045	20,000	19,652
6.834%, 10/23/2055	40,000	39,933
Comcast Corp.		
3.750%, 04/01/2040	215,000	184,939
Cox Communications, Inc.		
2.600%, 06/15/2031 (C)	130,000	110,140
Discovery Communications LLC		
3.625%, 05/15/2030	65,000	58,916
4.000%, 09/15/2055	246,000	175,039
5.200%, 09/20/2047	93,000	80,120
5.300%, 05/15/2049	247,000	212,066
IHS Holding, Ltd.		
6.250%, 11/29/2028 (C)	200,000	161,700
Lamar Media Corp.		
3.625%, 01/15/2031	315,000	279,878
Paramount Global		
4.375%, 03/15/2043	75,000	55,410
4.950%, 01/15/2031 (D)	160,000	151,732
5.250%, 04/01/2044	115,000	92,104
Rogers Communications, Inc.		
3.800%, 03/15/2032	105,000	96,623
Sirius XM Radio, Inc.		
4.000%, 07/15/2028 (C)	165,000	152,599
4.125%, 07/01/2030 (C)	40,000	35,643
Time Warner Cable LLC		
4.500%, 09/15/2042	455,000	357,055
5.875%, 11/15/2040	65,000	58,838
T-Mobile USA, Inc.		
2.050%, 02/15/2028	150,000	135,343
3.875%, 04/15/2030	115,000	109,055
5.050%, 07/15/2033	125,000	125,972

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
T-Mobile USA, Inc. (continued)		
5.750%, 01/15/2034	\$ 100,000	\$ 106,064
WarnerMedia Holdings, Inc.		
4.279%, 03/15/2032	130,000	118,977
5.050%, 03/15/2042	35,000	30,855
WMG Acquisition Corp.		
3.000%, 02/15/2031 (C)	75,000	64,284
3.750%, 12/01/2029 (C)	85,000	77,348
3.875%, 07/15/2030 (C)	450,000	407,136
		3,978,396
<b>Consumer discretionary – 1.0%</b>		
AutoZone, Inc.		
4.750%, 08/01/2032 to 02/01/2033	115,000	113,705
6.550%, 11/01/2033	75,000	83,324
Hanesbrands, Inc.		
4.875%, 05/15/2026 (C)	50,000	48,231
Howard University		
2.701%, 10/01/2029	100,000	88,781
2.801%, 10/01/2030	100,000	87,722
3.476%, 10/01/2041	120,000	89,084
LKQ Corp.		
5.750%, 06/15/2028	85,000	86,995
O'Reilly Automotive, Inc.		
4.700%, 06/15/2032	205,000	202,788
Service Corp. International		
3.375%, 08/15/2030	335,000	292,152
5.125%, 06/01/2029	507,000	496,860
Tapestry, Inc.		
7.050%, 11/27/2025	65,000	66,430
Taylor Morrison Communities, Inc.		
5.125%, 08/01/2030 (C)	40,000	38,695
5.750%, 01/15/2028 (C)	302,000	303,385
The William Carter Company		
5.625%, 03/15/2027 (C)	105,000	103,687
		2,101,839
<b>Consumer staples – 0.9%</b>		
Bacardi, Ltd.		
5.400%, 06/15/2033 (C)	100,000	100,500
General Mills, Inc.		
4.950%, 03/29/2033	40,000	40,552
Kenvue, Inc.		
5.050%, 03/22/2053	100,000	103,459
Minerva Luxembourg SA		
8.875%, 09/13/2033 (C)	200,000	211,459
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (C)	420,000	424,809
Ohio Edison Company		
5.500%, 01/15/2033 (C)	90,000	91,087
Philip Morris International, Inc.		
4.875%, 02/15/2028	195,000	197,083
5.125%, 11/17/2027 to 02/15/2030	305,000	310,082
5.375%, 02/15/2033	140,000	143,599
5.625%, 11/17/2029 to 09/07/2033	225,000	235,393
Sysco Corp.		
5.750%, 01/17/2029	80,000	83,334
		1,941,357
<b>Energy – 2.9%</b>		
Aker BP ASA		
5.600%, 06/13/2028 (C)	175,000	178,386
6.000%, 06/13/2033 (C)	175,000	181,774
BP Capital Markets America, Inc.		
2.939%, 06/04/2051	15,000	10,390
4.812%, 02/13/2033	230,000	231,889
4.893%, 09/11/2033	130,000	132,272

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Cheniere Energy Partners LP 4.500%, 10/01/2029	\$ 70,000	\$ 66,953
Columbia Pipelines Holding Company LLC 6.042%, 08/15/2028 (C)	160,000	165,137
Columbia Pipelines Operating Company LLC 5.927%, 08/15/2030 (C)	90,000	93,061
6.036%, 11/15/2033 (C)	150,000	157,091
6.544%, 11/15/2053 (C)	95,000	104,596
ConocoPhillips Company 4.025%, 03/15/2062	45,000	36,494
5.050%, 09/15/2033	70,000	71,917
5.700%, 09/15/2063	120,000	129,863
Diamondback Energy, Inc. 6.250%, 03/15/2033	65,000	69,454
Ecopetrol SA 4.625%, 11/02/2031	95,000	80,588
8.625%, 01/19/2029	345,000	367,669
EIG Pearl Holdings Sarl 3.545%, 08/31/2036 (C)	200,000	174,000
Enbridge, Inc. 5.700%, 03/08/2033	295,000	306,622
6.000%, 11/15/2028	75,000	78,740
8.500%, (8.500% to 1-15-34, then 5 Year CMT + 4.431% to 1-15-54, then 5 Year CMT + 5.181%), 01/15/2084	175,000	186,138
Energo-Pro AS 8.500%, 02/04/2027 (C)	315,000	308,565
Energy Transfer LP 5.250%, 04/15/2029	130,000	130,972
6.050%, 12/01/2026	100,000	102,809
6.400%, 12/01/2030	260,000	277,992
EQM Midstream Partners LP 6.500%, 07/01/2027 (C)	15,000	15,273
Equinor ASA 3.625%, 04/06/2040	125,000	107,911
3.700%, 04/06/2050	15,000	12,380
Hess Corp. 7.125%, 03/15/2033	18,000	20,804
7.300%, 08/15/2031	95,000	109,489
Leviathan Bond, Ltd. 6.500%, 06/30/2027 (C)	235,000	220,516
Marathon Oil Corp. 6.600%, 10/01/2037	70,000	73,956
MPLX LP 1.750%, 03/01/2026	105,000	98,221
Occidental Petroleum Corp. 6.125%, 01/01/2031	18,000	18,687
6.625%, 09/01/2030	210,000	223,337
7.500%, 05/01/2031	10,000	11,213
ONEOK, Inc. 3.100%, 03/15/2030	10,000	8,973
3.400%, 09/01/2029	130,000	119,807
4.350%, 03/15/2029	40,000	38,872
6.100%, 11/15/2032	80,000	85,007
Ovintiv, Inc. 6.625%, 08/15/2037	95,000	98,355
Patterson-UTI Energy, Inc. 5.150%, 11/15/2029	150,000	143,084
7.150%, 10/01/2033	70,000	74,158
Shell International Finance BV 2.875%, 11/26/2041	55,000	41,660
3.000%, 11/26/2051	70,000	49,856

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Shell International Finance BV (continued) 3.250%, 04/06/2050	\$ 75,000	\$ 56,343
Targa Resources Corp. 6.125%, 03/15/2033	55,000	57,906
6.150%, 03/01/2029	90,000	94,113
6.250%, 07/01/2052	50,000	51,598
Targa Resources Partners LP 4.000%, 01/15/2032	100,000	91,313
4.875%, 02/01/2031	20,000	19,428
The Williams Companies, Inc. 4.650%, 08/15/2032	145,000	141,347
5.650%, 03/15/2033	85,000	88,792
Transcontinental Gas Pipe Line Company LLC 3.250%, 05/15/2030	60,000	54,386
Viper Energy, Inc. 5.375%, 11/01/2027 (C)	257,000	252,327
Western Midstream Operating LP 4.750%, 08/15/2028	70,000	68,331
6.150%, 04/01/2033	115,000	119,470
		6,310,285
<b>Financials – 9.9%</b>		
ABN AMRO Bank NV 6.339%, (6.339% to 9-18-26, then 1 Year CMT + 1.650%), 09/18/2027 (C)	200,000	204,364
American Express Company 6.338%, (6.338% to 10-30-25, then Overnight SOFR + 1.330%), 10/30/2026	235,000	239,595
ANZ New Zealand International, Ltd. 5.355%, 08/14/2028 (C)	310,000	316,937
Aon Corp. 5.350%, 02/28/2033	75,000	76,917
Athene Global Funding 2.646%, 10/04/2031 (C)	225,000	182,801
2.717%, 01/07/2029 (C)	355,000	308,635
Athene Holding, Ltd. 5.875%, 01/15/2034	115,000	116,052
Banca Commerciale Romana SA 7.625%, (7.625% to 5-19-26, then 3 month EURIBOR + 4.539%), 05/19/2027	EUR 100,000	116,235
Banca Transilvania SA 8.875%, (8.875% to 4-27-26, then 1 Year EURIBOR ICE Swap Rate + 5.580%), 04/27/2027	100,000	116,060
Bank of America Corp. 1.898%, (1.898% to 7-23-30, then Overnight SOFR + 1.530%), 07/23/2031	\$ 120,000	98,168
1.922%, (1.922% to 10-24-30, then Overnight SOFR + 1.370%), 10/24/2031	180,000	146,133
2.572%, (2.572% to 10-20-31, then Overnight SOFR + 1.210%), 10/20/2032	110,000	91,198
2.592%, (2.592% to 4-29-30, then Overnight SOFR + 2.150%), 04/29/2031	245,000	211,139
2.687%, (2.687% to 4-22-31, then Overnight SOFR + 1.320%), 04/22/2032	600,000	506,658

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Bank of America Corp. (continued)		
2.972%, (2.972% to 2-4-32, then Overnight SOFR + 1.330%), 02/04/2033	\$ 30,000	\$ 25,525
3.194%, (3.194% to 7-23-29, then 3 month CME Term SOFR + 1.442%), 07/23/2030	270,000	244,811
3.419%, (3.419% to 12-20-27, then 3 month CME Term SOFR + 1.302%), 12/20/2028	50,000	47,096
4.376%, (4.376% to 4-27-27, then Overnight SOFR + 1.580%), 04/27/2028	285,000	278,530
5.202%, (5.202% to 4-25-28, then Overnight SOFR + 1.630%), 04/25/2029	230,000	231,423
5.933%, (5.933% to 9-15-26, then Overnight SOFR + 1.340%), 09/15/2027	260,000	265,285
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	348,640
Barclays PLC		
9.625%, (9.625% to 6-15-30, then 5 Year SOFR ICE Swap Rate + 5.775%), 12/15/2029 (E)	225,000	233,719
BNP Paribas SA		
5.894%, (5.894% to 12-5-33, then Overnight SOFR + 1.866%), 12/05/2034 (C)	250,000	261,166
BPCE SA		
6.714%, (6.714% to 10-19-28, then Overnight SOFR + 2.270%), 10/19/2029 (C)	500,000	526,452
7.003%, (7.003% to 10-19-33, then Overnight SOFR + 2.590%), 10/19/2034 (C)	340,000	369,514
Capital One Financial Corp.		
1.878%, (1.878% to 11-2-26, then Overnight SOFR + 0.855%), 11/02/2027	185,000	166,402
3.273%, (3.273% to 3-1-29, then Overnight SOFR + 1.790%), 03/01/2030	240,000	214,345
5.247%, (5.247% to 7-26-29, then Overnight SOFR + 2.600%), 07/26/2030	170,000	167,030
5.468%, (5.468% to 2-1-28, then Overnight SOFR + 2.080%), 02/01/2029	75,000	74,778
5.817%, (5.817% to 2-1-33, then Overnight SOFR + 2.600%), 02/01/2034	60,000	59,708
6.312%, (6.312% to 6-8-28, then Overnight SOFR + 2.640%), 06/08/2029	115,000	117,980
6.377%, (6.377% to 6-8-33, then Overnight SOFR + 2.860%), 06/08/2034	110,000	113,212
7.624%, (7.624% to 10-30-30, then Overnight SOFR + 3.070%), 10/30/2031	130,000	142,855
Corebridge Financial, Inc.		
3.850%, 04/05/2029	75,000	70,673
6.050%, 09/15/2033 (C)	35,000	36,450

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Danske Bank A/S		
5.375%, 01/12/2024 (C)	\$ 235,000	\$ 234,946
Deutsche Bank AG		
7.079%, (7.079% to 11-10-32, then Overnight SOFR + 3.650%), 02/10/2034	200,000	205,669
Discover Financial Services		
7.964%, (7.964% to 11-2-33, then SOFR Compounded Index + 3.370%), 11/02/2034	260,000	289,245
Equitable Financial Life Global Funding		
1.800%, 03/08/2028 (C)	315,000	275,914
Equitable Holdings, Inc.		
4.350%, 04/20/2028	120,000	115,861
FirstCash, Inc.		
4.625%, 09/01/2028 (C)	250,000	233,361
5.625%, 01/01/2030 (C)	220,000	210,687
GTP Acquisition Partners I LLC		
3.482%, 06/16/2025 (C)	730,000	709,699
HSBC Holdings PLC		
2.206%, (2.206% to 8-17-28, then Overnight SOFR + 1.285%), 08/17/2029	410,000	357,900
5.402%, (5.402% to 8-11-32, then Overnight SOFR + 2.870%), 08/11/2033	570,000	572,470
5.887%, (5.887% to 8-14-26, then Overnight SOFR + 1.570%), 08/14/2027	200,000	202,769
6.161%, (6.161% to 3-9-28, then Overnight SOFR + 1.970%), 03/09/2029	200,000	206,518
6.547%, (6.547% to 6-20-33, then Overnight SOFR + 2.980%), 06/20/2034	255,000	266,510
7.399%, (7.399% to 11-13-33, then Overnight SOFR + 3.020%), 11/13/2034	200,000	219,394
Huntington Bancshares, Inc.		
6.208%, (6.208% to 8-21-28, then Overnight SOFR + 2.020%), 08/21/2029	35,000	36,090
Intercontinental Exchange, Inc.		
4.350%, 06/15/2029	55,000	54,822
Intesa Sanpaolo SpA		
6.625%, 06/20/2033 (C)	200,000	204,947
7.800%, 11/28/2053 (C)	200,000	219,594
JPMorgan Chase & Co.		
2.545%, (2.545% to 11-8-31, then Overnight SOFR + 1.180%), 11/08/2032	115,000	95,954
3.509%, (3.509% to 1-23-28, then 3 month CME Term SOFR + 1.207%), 01/23/2029	285,000	270,058
3.702%, (3.702% to 5-6-29, then 3 month CME Term SOFR + 1.422%), 05/06/2030	65,000	61,171
4.005%, (4.005% to 4-23-28, then 3 month CME Term SOFR + 1.382%), 04/23/2029	315,000	303,075
5.299%, (5.299% to 7-24-28, then Overnight SOFR + 1.450%), 07/24/2029	175,000	177,574



# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
JPMorgan Chase & Co. (continued)		
6.070%, (6.070% to 10-22-26, then Overnight SOFR + 1.330%), 10/22/2027	\$ 115,000	\$ 118,302
M&T Bank Corp.		
5.053%, (5.053% to 1-27-33, then Overnight SOFR + 1.850%), 01/27/2034	230,000	217,925
7.413%, (7.413% to 10-30-28, then Overnight SOFR + 2.800%), 10/30/2029	170,000	182,857
Manufacturers & Traders Trust Company		
4.700%, 01/27/2028	250,000	242,871
Marsh & McLennan Companies, Inc.		
4.750%, 03/15/2039	70,000	68,044
mBank SA		
0.966%, (0.966% to 9-21-26, then 3 month EURIBOR + 1.250%), 09/21/2027	EUR 100,000	95,279
Metropolitan Life Global Funding I		
2.400%, 01/11/2032 (C)	\$ 500,000	414,580
Morgan Stanley		
1.794%, (1.794% to 2-13-31, then Overnight SOFR + 1.034%), 02/13/2032	270,000	215,601
1.928%, (1.928% to 4-28-31, then Overnight SOFR + 1.020%), 04/28/2032	200,000	160,825
2.239%, (2.239% to 7-21-31, then Overnight SOFR + 1.178%), 07/21/2032	245,000	199,979
4.210%, (4.210% to 4-20-27, then Overnight SOFR + 1.610%), 04/20/2028	155,000	151,500
5.164%, (5.164% to 4-20-28, then Overnight SOFR + 1.590%), 04/20/2029	265,000	266,515
5.449%, (5.449% to 7-20-28, then Overnight SOFR + 1.630%), 07/20/2029	55,000	56,042
6.407%, (6.407% to 11-1-28, then Overnight SOFR + 1.830%), 11/01/2029	515,000	545,789
MSCI, Inc.		
3.625%, 11/01/2031 (C)	192,000	168,987
3.875%, 02/15/2031 (C)	63,000	57,562
4.000%, 11/15/2029 (C)	90,000	84,589
Nasdaq, Inc.		
5.550%, 02/15/2034	100,000	103,885
National Rural Utilities Cooperative Finance Corp.		
5.800%, 01/15/2033	100,000	105,899
OTP Bank NYRT		
7.350%, (7.350% to 3-4-25, then 3 month EURIBOR + 4.523%), 03/04/2026	EUR 185,000	209,622
7.500%, (7.500% to 5-25-26, then 1 Year CMT + 3.711%), 05/25/2027	\$ 200,000	206,148
Societe Generale SA		
6.221%, (6.221% to 6-15-32, then 1 Year CMT + 3.200%), 06/15/2033 (C)	565,000	563,955
Standard Chartered PLC		
7.018%, (7.018% to 2-8-29, then 1 Year CMT + 2.200%), 02/08/2030 (C)	220,000	232,169

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Standard Chartered PLC (continued)		
7.767%, (7.767% to 11-16-27, then 1 Year CMT + 3.450%), 11/16/2028 (C)	\$ 200,000	\$ 215,874
The Bank of New York Mellon Corp.		
6.317%, (6.317% to 10-25-28, then Overnight SOFR + 1.598%), 10/25/2029	245,000	260,237
The Goldman Sachs Group, Inc.		
2.383%, (2.383% to 7-21-31, then Overnight SOFR + 1.248%), 07/21/2032	325,000	267,029
2.615%, (2.615% to 4-22-31, then Overnight SOFR + 1.281%), 04/22/2032	365,000	306,384
4.223%, (4.223% to 5-1-28, then 3 month CME Term SOFR + 1.563%), 05/01/2029	235,000	227,322
4.482%, (4.482% to 8-23-27, then Overnight SOFR + 1.725%), 08/23/2028	65,000	63,852
The Huntington National Bank		
5.650%, 01/10/2030	250,000	252,105
The PNC Financial Services Group, Inc.		
5.068%, (5.068% to 1-24-33, then Overnight SOFR + 1.933%), 01/24/2034	70,000	68,492
6.875%, (6.875% to 10-20-33, then Overnight SOFR + 2.284%), 10/20/2034	55,000	61,058
UBS Group AG		
6.246%, (6.246% to 9-22-28, then 1 Year CMT + 1.800%), 09/22/2029 (C)	200,000	208,630
6.442%, (6.442% to 8-11-27, then Overnight SOFR + 3.700%), 08/11/2028 (C)(D)	250,000	259,625
6.537%, (6.537% to 8-12-32, then Overnight SOFR + 3.920%), 08/12/2033 (C)	520,000	554,922
Wells Fargo & Company		
2.572%, (2.572% to 2-11-30, then 3 month CME Term SOFR + 1.262%), 02/11/2031	385,000	332,686
2.879%, (2.879% to 10-30-29, then 3 month CME Term SOFR + 1.432%), 10/30/2030	50,000	44,448
3.350%, (3.350% to 3-2-32, then Overnight SOFR + 1.500%), 03/02/2033	285,000	248,924
4.808%, (4.808% to 7-25-27, then Overnight SOFR + 1.980%), 07/25/2028	110,000	109,194
4.897%, (4.897% to 7-25-32, then Overnight SOFR + 2.100%), 07/25/2033	200,000	194,835
5.389%, (5.389% to 4-24-33, then Overnight SOFR + 2.020%), 04/24/2034	30,000	30,130
5.574%, (5.574% to 7-25-28, then Overnight SOFR + 1.740%), 07/25/2029	405,000	413,533
6.491%, (6.491% to 10-23-33, then Overnight SOFR + 2.060%), 10/23/2034	75,000	81,592

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Willis North America, Inc. 3.600%, 05/15/2024	\$ 115,000	\$ 113,946
		21,234,457
<b>Health care – 1.7%</b>		
Alcon Finance Corp. 2.600%, 05/27/2030 (C)	285,000	247,046
Amgen, Inc. 5.250%, 03/02/2030 to 03/02/2033	380,000	389,727
Avantor Funding, Inc. 4.625%, 07/15/2028 (C)	375,000	362,430
Bayer US Finance LLC 6.375%, 11/21/2030 (C)	240,000	246,926
Centene Corp. 2.450%, 07/15/2028	100,000	89,060
		5,000 4,486
		4.250%, 12/15/2027 48,178
		4.625%, 12/15/2029 585,000 560,856
CommonSpirit Health 3.347%, 10/01/2029	60,000	54,783
CVS Health Corp. 2.700%, 08/21/2040	90,000	64,163
		4.125%, 04/01/2040 85,000 72,988
		5.125%, 02/21/2030 95,000 96,473
		5.250%, 01/30/2031 60,000 61,547
GE HealthCare Technologies, Inc. 5.857%, 03/15/2030	100,000	105,040
Haleon US Capital LLC 3.375%, 03/24/2029	250,000	236,438
HCA, Inc. 3.375%, 03/15/2029	205,000	189,147
Humana, Inc. 3.700%, 03/23/2029	135,000	129,682
		5.750%, 12/01/2028 30,000 31,358
Kaiser Foundation Hospitals 2.810%, 06/01/2041	45,000	33,709
		3.002%, 06/01/2051 110,000 78,345
Royalty Pharma PLC 2.150%, 09/02/2031 (D)	315,000	257,295
		2.200%, 09/02/2030 85,000 71,441
		3.300%, 09/02/2040 25,000 18,779
Sutter Health 3.361%, 08/15/2050	20,000	14,797
UnitedHealth Group, Inc. 2.750%, 05/15/2040	110,000	83,286
		3.500%, 08/15/2039 70,000 59,483
		4.950%, 05/15/2062 30,000 29,591
		5.350%, 02/15/2033 55,000 58,185
		6.050%, 02/15/2063 30,000 34,594
		3,729,833
<b>Industrials – 2.2%</b>		
Ashtead Capital, Inc. 4.375%, 08/15/2027 (C)	605,000	580,869
		5.500%, 08/11/2032 (C) 200,000 197,565
Booz Allen Hamilton, Inc. 3.875%, 09/01/2028 (C)	420,000	395,639
Builders FirstSource, Inc. 5.000%, 03/01/2030 (C)	225,000	217,271
Clean Harbors, Inc. 4.875%, 07/15/2027 (C)	620,000	607,533
DAE Funding LLC 1.550%, 08/01/2024 (C)	435,000	423,712
Ingersoll Rand, Inc. 5.700%, 08/14/2033	55,000	58,190
International Airport Finance SA 12.000%, 03/15/2033 (C)	317,571	324,716

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Northrop Grumman Corp. 5.150%, 05/01/2040	\$ 95,000	\$ 96,249
Otis Worldwide Corp. 2.565%, 02/15/2030	120,000	106,705
Penske Truck Leasing Company LP 2.700%, 11/01/2024 (C)	205,000	199,370
		4.000%, 07/15/2025 (C) 170,000 166,261
		4.400%, 07/01/2027 (C) 140,000 136,503
		6.050%, 08/01/2028 (C) 50,000 51,824
Regal Rexnord Corp. 6.050%, 04/15/2028 (C)	365,000	369,481
		6.300%, 02/15/2030 (C) 80,000 82,073
SS&C Technologies, Inc. 5.500%, 09/30/2027 (C)	262,000	258,262
The Boeing Company 5.040%, 05/01/2027	80,000	80,698
		5.150%, 05/01/2030 170,000 173,062
United Rentals North America, Inc. 4.000%, 07/15/2030	35,000	32,238
		5.500%, 05/15/2027 32,000 32,071
Veralto Corp. 5.350%, 09/18/2028 (C)	135,000	138,132
		4,728,424
<b>Information technology – 2.1%</b>		
Black Knight InfoServ LLC 3.625%, 09/01/2028 (C)	499,000	472,179
CDW LLC 2.670%, 12/01/2026	60,000	56,143
		3.250%, 02/15/2029 490,000 448,054
Fair Isaac Corp. 4.000%, 06/15/2028 (C)	386,000	365,295
Gartner, Inc. 4.500%, 07/01/2028 (C)	193,000	183,027
Gen Digital, Inc. 5.000%, 04/15/2025 (C)	360,000	356,400
		6.750%, 09/30/2027 (C) 220,000 223,812
Go Daddy Operating Company LLC 3.500%, 03/01/2029 (C)	55,000	49,813
		5.250%, 12/01/2027 (C) 454,000 444,878
Intel Corp. 3.100%, 02/15/2060	60,000	41,350
		5.700%, 02/10/2053 20,000 21,622
		5.900%, 02/10/2063 40,000 44,584
Marvell Technology, Inc. 2.450%, 04/15/2028	175,000	157,919
		2.950%, 04/15/2031 60,000 52,432
		5.950%, 09/15/2033 45,000 47,718
Nokia OYJ 4.375%, 06/12/2027	130,000	125,873
NXP BV 4.300%, 06/18/2029	25,000	24,288
		5.550%, 12/01/2028 95,000 97,756
Open Text Corp. 3.875%, 12/01/2029 (C)	355,000	318,376
		6.900%, 12/01/2027 (C) 315,000 327,490
Open Text Holdings, Inc. 4.125%, 12/01/2031 (C)	60,000	53,032
Oracle Corp. 2.950%, 04/01/2030	10,000	9,025
		3.850%, 04/01/2060 380,000 275,364
		4.100%, 03/25/2061 95,000 72,380
		6.150%, 11/09/2029 170,000 182,878
Qorvo, Inc. 3.375%, 04/01/2031 (C)	120,000	102,668
		4,554,356

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials – 1.3%</b>		
Anglo American Capital PLC 2.625%, 09/10/2030 (C)	\$ 200,000	\$ 170,136
Ball Corp. 6.000%, 06/15/2029	735,000	750,562
Celanese US Holdings LLC 6.165%, 07/15/2027	190,000	194,818
6.330%, 07/15/2029	175,000	183,448
6.550%, 11/15/2030	115,000	121,570
Corp. Nacional del Cobre de Chile 5.950%, 01/08/2034 (C)	200,000	202,730
FS Luxembourg Sarl 10.000%, 12/15/2025 (C)	200,000	205,105
Glencore Funding LLC 2.625%, 09/23/2031 (C)	70,000	59,396
2.850%, 04/27/2031 (C)	55,000	47,427
6.375%, 10/06/2030 (C)	245,000	263,033
Southern Copper Corp. 6.750%, 04/16/2040	20,000	22,395
Standard Industries, Inc. 3.375%, 01/15/2031 (C)	10,000	8,603
4.375%, 07/15/2030 (C)	410,000	376,539
Vale Overseas, Ltd. 6.125%, 06/12/2033	70,000	72,654
		2,678,416
<b>Real estate – 0.9%</b>		
American Tower Corp. 2.700%, 04/15/2031	30,000	25,761
3.800%, 08/15/2029	135,000	128,161
5.800%, 11/15/2028	105,000	109,076
Crown Castle, Inc. 2.900%, 03/15/2027	110,000	102,866
3.800%, 02/15/2028	5,000	4,750
4.800%, 09/01/2028	330,000	325,609
5.000%, 01/11/2028	90,000	89,647
5.600%, 06/01/2029	85,000	86,913
Equinix, Inc. 3.200%, 11/18/2029	135,000	123,988
GLP Capital LP 4.000%, 01/15/2031	85,000	76,554
5.300%, 01/15/2029	130,000	129,248
5.750%, 06/01/2028	130,000	131,167
SBA Tower Trust 2.836%, 01/15/2025 (C)	300,000	289,701
VICI Properties LP 4.950%, 02/15/2030	272,000	263,927
		1,887,368
<b>Utilities – 4.7%</b>		
Alabama Power Company 3.450%, 10/01/2049	120,000	90,156
4.150%, 08/15/2044	105,000	89,917
Ameren Corp. 5.000%, 01/15/2029	320,000	321,434
Arizona Public Service Company 5.550%, 08/01/2033	55,000	56,829
6.350%, 12/15/2032	110,000	119,396
Atmos Energy Corp. 5.900%, 11/15/2033	45,000	48,822
Berkshire Hathaway Energy Company 4.600%, 05/01/2053	135,000	120,174
Cleco Corporate Holdings LLC 3.375%, 09/15/2029	90,000	78,863
4.973%, 05/01/2046	5,000	4,192
Consolidated Edison Company of New York, Inc. 3.200%, 12/01/2051	120,000	84,839

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Consolidated Edison Company of New York, Inc. (continued) 5.500%, 03/15/2034	\$ 55,000	\$ 57,682
Dominion Energy, Inc. 3.375%, 04/01/2030	115,000	105,871
5.375%, 11/15/2032	495,000	508,303
6.300%, 03/15/2033	5,000	5,364
Duke Energy Corp. 2.550%, 06/15/2031	425,000	362,628
4.500%, 08/15/2032	140,000	135,513
5.000%, 08/15/2052	40,000	37,339
Duke Energy Indiana LLC 2.750%, 04/01/2050	80,000	51,720
3.250%, 10/01/2049	105,000	76,105
Duke Energy Progress LLC 3.700%, 10/15/2046	125,000	97,202
4.000%, 04/01/2052	65,000	53,412
Edison International 4.125%, 03/15/2028	40,000	38,626
5.250%, 11/15/2028	115,000	115,707
6.950%, 11/15/2029	305,000	330,992
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	90,000	88,130
Enel Finance International NV 5.000%, 06/15/2032 (C)	200,000	195,071
Evergy, Inc. 2.900%, 09/15/2029	175,000	158,296
Eversource Energy 5.125%, 05/15/2033	260,000	261,313
5.450%, 03/01/2028	45,000	46,252
5.950%, 02/01/2029	150,000	157,088
Georgia Power Company 4.300%, 03/15/2042	75,000	66,307
4.700%, 05/15/2032	65,000	64,732
Greenko Power II, Ltd. 4.300%, 12/13/2028	216,000	194,454
Greensaif Pipelines Bidco Sarl 6.129%, 02/23/2038 (C)	200,000	208,515
6.510%, 02/23/2042 (C)	200,000	211,425
IPALCO Enterprises, Inc. 3.700%, 09/01/2024	175,000	172,225
Kentucky Power Company 7.000%, 11/15/2033 (C)	245,000	263,395
KeySpan Gas East Corp. 5.994%, 03/06/2033 (C)	130,000	132,197
Monongahela Power Company 5.850%, 02/15/2034 (C)	75,000	78,695
National Grid PLC 5.602%, 06/12/2028	35,000	36,059
NextEra Energy Capital Holdings, Inc. 1.875%, 01/15/2027	125,000	114,957
2.250%, 06/01/2030	145,000	124,037
4.625%, 07/15/2027	210,000	209,620
5.000%, 02/28/2030 to 07/15/2032	175,000	176,118
NiSource, Inc. 3.490%, 05/15/2027	155,000	149,226
3.600%, 05/01/2030	55,000	51,174
5.250%, 03/30/2028	80,000	81,569
5.400%, 06/30/2033	165,000	170,128
NRG Energy, Inc. 2.450%, 12/02/2027 (C)	140,000	126,222

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Oglethorpe Power Corp. 4.500%, 04/01/2047	\$ 80,000	\$ 67,769
Oncor Electric Delivery Company LLC 5.650%, 11/15/2033 (C)	115,000	122,512
Pacific Gas & Electric Company 2.500%, 02/01/2031	430,000	354,703
3.500%, 08/01/2050	55,000	37,971
4.400%, 03/01/2032	40,000	36,999
4.550%, 07/01/2030	270,000	257,142
5.250%, 03/01/2052	62,000	55,088
5.900%, 06/15/2032	100,000	101,680
6.100%, 01/15/2029	370,000	382,875
6.150%, 01/15/2033	175,000	181,382
6.400%, 06/15/2033	160,000	168,355
PPL Capital Funding, Inc. 4.125%, 04/15/2030	40,000	38,077
Public Service Enterprise Group, Inc. 6.125%, 10/15/2033	55,000	59,111
Puget Energy, Inc. 2.379%, 06/15/2028	130,000	116,197
3.650%, 05/15/2025	180,000	175,367
4.100%, 06/15/2030	67,000	61,387
4.224%, 03/15/2032	8,000	7,237
Sempra 3.400%, 02/01/2028	45,000	42,885
5.400%, 08/01/2026	125,000	126,637
Southern California Edison Company 2.850%, 08/01/2029	135,000	123,025
5.300%, 03/01/2028	65,000	66,712
5.850%, 11/01/2027	20,000	20,884
Southern California Gas Company 5.200%, 06/01/2033	110,000	113,109
Southern Company Gas Capital Corp. 5.750%, 09/15/2033	35,000	36,750
Southwest Gas Corp. 2.200%, 06/15/2030	90,000	76,595
Southwestern Electric Power Company 5.300%, 04/01/2033	150,000	150,003
The Brooklyn Union Gas Company 6.388%, 09/15/2033 (C)	170,000	177,467
The Southern Company 5.200%, 06/15/2033	205,000	209,112
Virginia Electric & Power Company 2.450%, 12/15/2050	43,000	26,384
5.000%, 04/01/2033	130,000	131,478
Xcel Energy, Inc. 4.600%, 06/01/2032	85,000	82,864
		10,136,048
<b>TOTAL CORPORATE BONDS (Cost \$63,897,196)</b>		<b>\$ 63,280,779</b>
<b>MUNICIPAL BONDS – 1.7%</b>		
Chicago Board of Education (Illinois), GO 6.138%, 12/01/2039	155,000	146,653
Chicago Board of Education (Illinois), GO 6.319%, 11/01/2029	180,000	180,222
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	90,000	77,898
County of Riverside (California) 3.070%, 02/15/2028	600,000	565,659
Metropolitan Transportation Authority (New York) 4.750%, 11/15/2045	255,000	262,605

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
Metropolitan Transportation Authority (New York) 5.175%, 11/15/2049	\$ 545,000	\$ 531,355
Municipal Electric Authority of Georgia 6.637%, 04/01/2057	89,000	101,557
New York Transportation Development Corp. 4.248%, 09/01/2035	565,000	550,637
Philadelphia Authority for Industrial Development (Pennsylvania) 6.550%, 10/15/2028	675,000	719,150
State Board of Administration Finance Corp. (Florida) 1.258%, 07/01/2025	510,000	483,903
<b>TOTAL MUNICIPAL BONDS (Cost \$3,872,535)</b>	<b>\$</b>	<b>3,619,639</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 12.8%</b>		
<b>Commercial and residential – 9.4%</b>		
Alternative Loan Trust Series 2005-27, Class 2A1 (12 month Treasury Average Index + 1.350%), 6.362%, 08/25/2035 (F)	101,547	80,939
Series 2005-56, Class 5A1 (1 month CME Term SOFR + 0.754%), 6.110%, 11/25/2035 (F)	48,880	38,779
Series 2005-72, Class A1 (1 month CME Term SOFR + 0.654%), 6.010%, 01/25/2036 (F)	13,268	11,704
Series 2005-7CB, Class 2A8 (1 month CME Term SOFR + 0.564%), 5.500%, 03/01/2038 (F)	86,249	63,476
Series 2006-9T1, Class A1, 5.750%, 05/25/2036	63,782	25,057
American Home Mortgage Assets Trust Series 2006-3, Class 2A11 (12 month Treasury Average Index + 0.940%), 5.952%, 10/25/2046 (F)	30,551	20,646
Series 2007-2, Class A1 (1 month CME Term SOFR + 0.239%), 5.595%, 03/25/2047 (F)	11,199	9,827
Angel Oak Mortgage Trust LLC Series 2020-R1, Class A1, 0.990%, 04/25/2053 (C)(G)	99,533	90,896
Series 2021-2, Class A1, 0.985%, 04/25/2066 (C)(G)	129,499	109,288
Series 2021-4, Class A2, 1.241%, 01/20/2065 (C)(G)	125,016	100,511
Series 2021-5, Class A1, 0.951%, 07/25/2066 (C)(G)	308,746	259,631
Series 2021-6, Class A1, 1.458%, 09/25/2066 (C)(G)	460,499	370,297
Series 2021-8, Class A1, 1.820%, 11/25/2066 (C)(G)	220,331	186,389
Arroyo Mortgage Trust Series 2019-2, Class A1 3.347%, 04/25/2049 (C)(G)	154,806	145,638
<b>BANK</b>		
Series 2017-BNK8, Class XA IO, 0.710%, 11/15/2050	3,670,211	80,925
Series 2019-BN18, Class XA IO, 0.886%, 05/15/2062	1,398,128	52,055
Series 2019-BN20, Class XA IO, 0.811%, 09/15/2062	2,203,163	80,206
Series 2019-BN22, Class XA IO, 0.591%, 11/15/2062	2,418,238	67,980
Series 2019-BN23, Class XA IO, 0.686%, 12/15/2052	1,906,930	61,860

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
BANK (continued)		
Series 2019-BN24, Class XA IO, 0.635%, 11/15/2062	\$ 1,172,653	\$ 36,376
Series 2020-BN28, Class XA IO, 1.760%, 03/15/2063	2,532,183	225,226
Series 2021-BN31, Class A4, 2.036%, 02/15/2054	285,000	233,671
Series 2023-BNK45, Class XA IO, 0.995%, 02/15/2056	996,589	63,581
BBCMS Mortgage Trust		
Series 2017-C1, Class XA IO, 1.455%, 02/15/2050	2,848,504	102,079
Series 2022-C15, Class A5, 3.662%, 04/15/2055 (G)	110,000	99,557
Series 2022-C16, Class A5, 4.600%, 06/15/2055 (G)	120,000	116,636
Series 2022-C18, Class A4, 5.439%, 12/15/2055 (G)	150,000	154,640
Series 2022-C18, Class A5, 5.710%, 12/15/2055 (G)	50,000	52,514
BCAP LLC Trust		
Series 2006-AA2, Class A1 (1 month CME Term SOFR + 0.454%) 5.810%, 01/25/2037 (F)	74,297	68,693
Bear Stearns ALT-A Trust		
Series 2005-10, Class 11A1 (1 month CME Term SOFR + 0.614%) 5.970%, 01/25/2036 (F)	66,699	60,990
Bear Stearns Mortgage Funding Trust		
Series 2006-AR3, Class 1A1 (1 month CME Term SOFR + 0.474%) 5.830%, 10/25/2036 (F)	6,308	5,256
Benchmark Mortgage Trust		
Series 2018-B1, Class XA IO, 0.519%, 01/15/2051	924,502	15,260
Series 2018-B4, Class XA IO, 0.456%, 07/15/2051	2,120,293	31,508
Series 2018-B8, Class XA IO, 0.619%, 01/15/2052	4,432,146	103,948
Series 2019-B10, Class XA IO, 1.194%, 03/15/2062	3,004,628	149,360
Series 2019-B12, Class XA IO, 1.024%, 08/15/2052	1,049,337	36,421
Series 2020-B18, Class XA IO, 1.780%, 07/15/2053	681,535	44,332
Series 2020-B22, Class XA IO, 1.512%, 01/15/2054	1,158,515	91,922
BINOM Securitization Trust		
Series 2021-INVI, Class A1 2.034%, 06/25/2056 (C)(G)	148,519	127,418
BPR Trust		
Series 2022-STAR, Class A (1 month CME Term SOFR + 3.232%) 8.594%, 08/15/2024 (C)(F)	275,000	273,792
BRAVO Residential Funding Trust		
Series 2021-NQM1, Class A1, 0.941%, 02/25/2049 (C)(G)	82,310	72,595
Series 2021-NQM2, Class A1, 0.970%, 03/25/2060 (C)(G)	67,604	62,831
BX Trust		
Series 2022-PSB, Class A (1 month CME Term SOFR + 2.451%) 7.813%, 08/15/2039 (C)(F)	248,015	248,671

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class F (1 month CME Term SOFR + 2.597%) 8.209%, 12/15/2037 (C)(F)	\$ 355,000	\$ 340,522
Chase Mortgage Finance Trust		
Series 2005-S3, Class A10 5.500%, 11/25/2035	85,148	61,678
CHL Mortgage Pass-Through Trust		
Series 2005-2, Class 2A3 (1 month CME Term SOFR + 0.794%), 6.150%, 03/25/2035 (F)	22,129	19,946
Series 2007-HY4, Class 1A1, 4.430%, 09/25/2047 (G)	52,940	46,290
Citigroup Commercial Mortgage Trust		
Series 2014-GC23, Class XA IO, 0.891%, 07/10/2047	1,611,963	3,683
Series 2015-GC29, Class XA IO, 1.012%, 04/10/2048	1,540,292	14,273
Series 2016-C3, Class C, 4.062%, 11/15/2049 (G)	288,000	217,942
COLT Mortgage Loan Trust		
Series 2021-3, Class A1 0.956%, 09/27/2066 (C)(G)	627,108	497,690
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2014-CR16, Class A4, 4.051%, 04/10/2047	480,000	476,215
Series 2014-CR17, Class A5, 3.977%, 05/10/2047	390,000	386,752
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2013-300P, Class A1, 4.353%, 08/10/2030 (C)	260,000	241,475
Series 2015-3BP, Class A, 3.178%, 02/10/2035 (C)	580,000	550,896
Series 2022-HC, Class A, 2.819%, 01/10/2039 (C)	100,000	87,643
Series 2022-HC, Class D, 3.896%, 01/10/2039 (C)(G)	100,000	78,105
Credit Suisse Mortgage Capital Certificates		
Series 2017-FHA1, Class A1, 3.250%, 04/25/2047 (C)(G)	146,440	131,788
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (C)(G)	265,065	225,553
Series 2021-NQM8, Class A1, 1.841%, 10/25/2066 (C)(G)	231,773	194,903
Series 2021-RPL4, Class A1, 1.796%, 12/27/2060 (C)(G)	135,614	131,809
Series 2022-NQM1, Class A1, 2.265%, 11/25/2066 (C)(G)	571,706	488,252
CSAIL Commercial Mortgage Trust		
Series 2015-C1, Class A4, 3.505%, 04/15/2050	15,000	14,562
Series 2015-C2, Class XA IO, 0.709%, 06/15/2057	4,500,897	25,673
Series 2016-C6, Class XA IO, 1.857%, 01/15/2049	1,021,329	31,677
DBJPM Mortgage Trust		
Series 2020-C9, Class XA IO 1.705%, 09/15/2053	526,285	29,691

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Deephaven Residential Mortgage Trust Series 2021-2, Class A1 0.899%, 04/25/2066 (C)(G)	\$ 86,356	\$ 73,734
Deutsche Alt-A Securities Mortgage Loan Trust Series 2007-AR2, Class A1 (1 month CME Term SOFR + 0.414%) 5.770%, 03/25/2037 (F)	34,932	31,062
Ellington Financial Mortgage Trust Series 2021-2, Class A1, 0.931%, 06/25/2066 (C)(G)	88,411	70,435
Series 2022-1, Class A1, 2.206%, 01/25/2067 (C)(G)	261,490	219,421
GCAT Trust Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (C)(G)	181,380	148,464
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (C)(G)	234,213	192,466
Series 2021-NQM7, Class A1, 1.915%, 08/25/2066 (C)(G)	165,732	144,283
GMACM Mortgage Loan Trust Series 2006-AR1, Class 1A1 3.357%, 04/19/2036 (G)	93,684	72,173
GS Mortgage Securities Trust Series 2014-GC20, Class A5 3.998%, 04/10/2047	229,670	228,945
GSR Mortgage Loan Trust Series 2006-AR1, Class 2A1, 4.630%, 01/25/2036 (G)	2,635	2,407
Series 2007-1F, Class 4A1 (1 month CME Term SOFR + 0.414%), 5.770%, 01/25/2037 (F)	74,689	17,851
HarborView Mortgage Loan Trust Series 2005-8, Class 1A2A (1 month CME Term SOFR + 0.774%), 5.800%, 09/19/2035 (F)	19,426	12,813
Series 2006-12, Class 2A13 (1 month CME Term SOFR + 0.594%), 5.950%, 12/19/2036 (F)	113,999	106,494
Series 2006-12, Class 2A2A (1 month CME Term SOFR + 0.494%), 5.850%, 01/19/2038 (F)	41,072	35,788
Series 2007-7, Class 2A1B (1 month CME Term SOFR + 2.114%), 6.470%, 10/25/2037 (F)	43,218	35,594
Imperial Fund Mortgage Trust Series 2021-NQM2, Class A1, 1.073%, 09/25/2056 (C)(G)	180,132	143,397
Series 2022-NQM2, Class A1 (3.638% to 3-25-26, then 4.638% thereafter), 3.638%, 03/25/2067 (C)	559,952	514,214
IndyMac INDA Mortgage Loan Trust Series 2006-AR3, Class 1A1 4.259%, 12/25/2036 (G)	30,436	23,955
JPMBB Commercial Mortgage Securities Trust Series 2014-C19, Class A4 3.997%, 04/15/2047	89,179	88,739
JPMorgan Chase Commercial Mortgage Securities Trust Series 2020-NNN, Class AFX 2.812%, 01/16/2037 (C)	160,000	134,150

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
JPMorgan Mortgage Trust Series 2006-A3, Class 3A2 4.009%, 05/25/2036 (G)	\$ 6,069	\$ 4,922
Legacy Mortgage Asset Trust Series 2019-GS7, Class A1, 7.250%, 11/25/2059 (C)	345,615	345,517
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)	134,899	130,232
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)	176,895	170,121
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)	90,130	85,719
Lehman XS Trust Series 2006-16N, Class A4A (1 month CME Term SOFR + 0.494%) 5.850%, 11/25/2046 (F)	98,380	84,269
LSTAR Securities Investment Trust Series 2021-1, Class A (1 month CME Term SOFR + 2.914%) 8.257%, 02/01/2026 (C)(F)	225,689	226,165
Luminent Mortgage Trust Series 2006-4, Class A1A (1 month CME Term SOFR + 0.494%) 5.850%, 05/25/2046 (F)	89,755	73,517
MASTR Adjustable Rate Mortgages Trust Series 2004-13, Class 3A7 5.386%, 11/21/2034 (G)	10,731	10,042
MFA Trust Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (C)(G)	23,399	20,954
Series 2021-NQM1, Class A1, 1.153%, 04/25/2065 (C)(G)	96,165	87,300
Series 2021-NQM2, Class A1, 1.029%, 11/25/2064 (C)(G)	133,369	112,541
Morgan Stanley Bank of America Merrill Lynch Trust Series 2014-C19, Class XA IO 0.951%, 12/15/2047	906,065	3,271
Morgan Stanley Capital I Trust Series 2014-150E, Class A, 3.912%, 09/09/2032 (C)	610,000	501,077
Series 2017-H1, Class XA IO, 1.321%, 06/15/2050	666,015	18,515
New Residential Mortgage Loan Trust Series 2016-2A, Class A1, 3.750%, 11/26/2035 (C)(G)	141,496	133,651
Series 2016-4A, Class A1, 3.750%, 11/25/2056 (C)(G)	163,830	153,871
Series 2017-4A, Class A1, 4.000%, 05/25/2057 (C)(G)	142,736	134,707
Series 2017-5A, Class A1 (1 month CME Term SOFR + 1.614%), 6.970%, 06/25/2057 (C)(F)	128,671	127,762
Series 2018-1A, Class A1A, 4.000%, 12/25/2057 (C)(G)	105,624	100,363

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
New Residential Mortgage		
Loan Trust (continued)		
Series 2018-4A, Class A1S (1 month CME Term SOFR + 0.864%), 6.220%, 01/25/2048 (C)(F)	\$ 170,359	\$ 164,093
Series 2019-5A, Class A1B, 3.500%, 08/25/2059 (C)(G)	149,215	139,515
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(G)	39,000	35,870
Series 2021-NQ2R, Class A1, 0.941%, 10/25/2058 (C)(G)	77,101	70,128
NJ Trust		
Series 2023-GSP, Class A 6.697%, 01/06/2029 (C)(G)	225,000	234,574
NMLT Trust		
Series 2021-INV1, Class A1 1.185%, 05/25/2056 (C)(G)	381,997	312,636
OBX Trust		
Series 2021-NQM1, Class A1, 1.072%, 02/25/2066 (C)(G)	248,771	205,123
Series 2021-NQM3, Class A1, 1.054%, 07/25/2061 (C)(G)	235,405	179,883
Series 2022-NQM1, Class A1, 2.305%, 11/25/2061 (C)(G)	461,912	396,018
PRPM LLC		
Series 2020-6, Class A1 (5.363% to 11-25-24, then 6.363% thereafter), 5.363%, 11/25/2025 (C)	61,218	61,266
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)	144,706	141,069
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)	238,696	233,143
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)	417,701	404,720
RALI Series Trust		
Series 2007-QH7, Class 1A1 (1 month CME Term SOFR + 0.614%) 5.970%, 08/25/2037 (F)	33,792	30,577
Seasoned Credit Risk Transfer Trust		
Series 2019-3, Class MV 3.500%, 10/25/2058	112,467	102,795
SG Commercial Mortgage Securities Trust		
Series 2020-COVE, Class A 2.632%, 03/15/2037 (C)	645,000	578,546
SG Residential Mortgage Trust		
Series 2021-1, Class A1 1.160%, 07/25/2061 (C)(G)	334,088	262,866
Starwood Mortgage Residential Trust		
Series 2021-1, Class A1, 1.219%, 05/25/2065 (C)(G)	184,425	163,026
Series 2021-2, Class A1, 0.943%, 05/25/2065 (C)(G)	64,322	58,027
Series 2021-6, Class A1, 1.920%, 11/25/2066 (C)(G)	358,224	294,414

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Toorak Mortgage Corp., Ltd.		
Series 2021-1, Class A1 3.240%, 06/25/2024 (C)	\$ 182,174	\$ 178,433
Towd Point Mortgage Trust		
Series 2021-R1, Class A1 2.918%, 11/30/2060 (C)(G)	586,181	504,236
TYSN Mortgage Trust		
Series 2023-CRNR, Class A 6.799%, 12/10/2033 (C)(G)	410,000	426,730
Verus Securitization Trust		
Series 2021-2, Class A1, 1.031%, 02/25/2066 (C)(G)	104,488	90,174
Series 2021-8, Class A1, 1.824%, 11/25/2066 (C)(G)	249,441	215,661
Series 2021-R2, Class A1, 0.918%, 02/25/2064 (C)(G)	116,792	102,771
Series 2022-1, Class A1 (2.724% to 1-25-26, then 3.724% thereafter), 2.724%, 01/25/2067 (C)	350,579	313,864
Series 2022-3, Class A1 (4.130% to 3-1-26, then 5.130% thereafter), 4.130%, 02/25/2067 (C)	81,537	75,878
WaMu Mortgage Pass-Through Certificates		
Series 2007-HY6, Class 1A1 3.814%, 06/25/2037 (G)	11,050	9,409
Washington Mutual Mortgage Pass-Through Certificates		
Series 2006-5, Class 1A1 (1 month CME Term SOFR + 0.714%) 6.000%, 07/25/2036 (F)	17,039	11,281
Wells Fargo Commercial Mortgage Trust		
Series 2014-LC16, Class A5, 3.817%, 08/15/2050	310,000	305,748
Series 2015-NXS1, Class D, 4.140%, 05/15/2048 (G)	40,000	34,295
Series 2015-NXS1, Class XA IO, 1.057%, 05/15/2048	1,366,265	10,341
Series 2015-NXS3, Class XA IO, 0.871%, 09/15/2057	2,479,146	29,316
WF-RBS Commercial Mortgage Trust		
Series 2014-C19, Class A5 4.101%, 03/15/2047	236,613	235,597
<hr/>		
20,063,323		
<b>U.S. Government Agency – 3.4%</b>		
Federal Home Loan Mortgage Corp.		
Series 2022-DNA3, Class M1B (30 day Average SOFR + 2.900%), 8.237%, 04/25/2042 (C)(F)	168,000	172,499
Series 2022-DNA4, Class M1B (30 day Average SOFR + 3.350%), 8.687%, 05/25/2042 (C)(F)	235,000	244,362
Series 2022-DNA5, Class M1B (30 day Average SOFR + 4.500%), 9.837%, 06/25/2042 (C)(F)	285,000	306,868
Series 2022-DNA6, Class M1B (30 day Average SOFR + 3.700%), 9.037%, 09/25/2042 (C)(F)	200,000	210,385
Series 2022-HQA1, Class M1B (30 day Average SOFR + 3.500%), 8.837%, 03/25/2042 (C)(F)	55,000	56,948

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 2022-HQA2, Class M1B (30 day Average SOFR + 4.000%), 9.337%, 07/25/2042 (C)(F)	\$ 180,000	\$ 188,693
Series 2022-HQA3, Class M1B (30 day Average SOFR + 3.550%), 8.887%, 08/25/2042 (C)(F)	70,000	72,372
Series 2023-DNA2, Class M1B (30 day Average SOFR + 3.250%), 8.587%, 04/25/2043 (C)(F)	150,000	156,125
Series 2023-HQA1, Class M1B (30 day Average SOFR + 3.500%), 8.837%, 05/25/2043 (C)(F)	445,000	470,273
Series 2023-HQA2, Class M1B (30 day Average SOFR + 3.350%), 8.687%, 06/25/2043 (C)(F)	510,000	538,252
Series 3883, Class PB, 3.000%, 05/15/2041	51,027	48,261
Series 5055, Class DG, 1.500%, 12/25/2050	405,149	323,353
Series 5170, Class DP, 2.000%, 07/25/2050	406,451	346,783
Series K064, Class X1 IO, 0.596%, 03/25/2027	2,103,395	33,777
Series K068, Class A2, 3.244%, 08/25/2027	545,000	523,999
Series K104, Class X1 IO, 1.124%, 01/25/2030	1,297,284	69,164
Series K111, Class X1 IO, 1.570%, 05/25/2030	548,123	42,728
Series K114, Class X1 IO, 1.115%, 06/25/2030	1,594,728	91,969
Series K121, Class X1 IO, 1.022%, 10/25/2030	843,394	44,988
Series K122, Class X1 IO, 0.879%, 11/25/2030	476,085	22,476
Series K124, Class X1 IO, 0.719%, 12/25/2030	1,903,299	75,743
Federal National Mortgage Association		
Series 2012-120, Class ZB, 3.500%, 11/25/2042	443,211	410,308
Series 2012-18, Class GA, 2.000%, 12/25/2041	53,215	48,070
Series 2012-21, Class PQ, 2.000%, 09/25/2041	30,366	27,707
Series 2012-52, Class PA, 3.500%, 05/25/2042	48,455	46,399
Series 2015-48, Class QB, 3.000%, 02/25/2043	61,409	58,559
Series 2016-11, Class GA, 2.500%, 03/25/2046	78,086	71,740
Series 2016-38, Class NA, 3.000%, 01/25/2046	40,568	37,144
Series 2016-C07, Class 2M2 (30 day Average SOFR + 4.464%), 9.802%, 05/25/2029 (F)	148,775	156,927
Series 2017-16, Class PB, 3.000%, 03/25/2047	270,000	230,212
Series 2017-26, Class CG, 3.500%, 07/25/2044	43,698	42,687
Series 2017-34, Class JK, 3.000%, 05/25/2047	29,625	28,139

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2017-35, Class AH, 3.500%, 04/25/2053	\$ 53,701	\$ 52,320
Series 2017-49, Class JA, 4.000%, 07/25/2053	54,950	53,749
Series 2017-84, Class KA, 3.500%, 04/25/2053	62,066	59,954
Series 2017-C01, Class 1M2 (30 day Average SOFR + 3.664%), 9.002%, 07/25/2029 (F)	85,484	88,498
Series 2018-23, Class LA, 3.500%, 04/25/2048	112,277	106,170
Series 2018-70, Class HA, 3.500%, 10/25/2056	77,912	74,916
Series 2019-12, Class HA, 3.500%, 11/25/2057	131,552	124,480
Series 2019-14, Class CA, 3.500%, 04/25/2049	139,714	132,548
Series 2019-45, Class PT, 3.000%, 08/25/2049	122,422	110,775
Series 2019-7, Class JA, 3.500%, 03/25/2049	114,412	108,452
Series 2019-HRP1, Class M2 (30 day Average SOFR + 2.264%), 7.602%, 11/25/2039 (C)(F)	48,054	48,470
Series 2022-90, Class AY, 4.500%, 12/25/2041	640,000	620,041
Series 2022-R08, Class 1M1 (30 day Average SOFR + 2.550%), 7.887%, 07/25/2042 (C)(F)	71,544	73,374
Series 2023-R05, Class 1M2 (30 day Average SOFR + 3.100%), 8.437%, 06/25/2043 (C)(F)	144,000	150,374
Series 2023-R06, Class 1M2 (30 day Average SOFR + 2.700%), 8.037%, 07/25/2043 (C)(F)	150,000	152,850
Series 415, Class A3, 3.000%, 11/25/2042	99,319	92,077
Government National		
Mortgage Association		
Series 2006-38, Class XS IO, 1.777%, 09/16/2035	12,514	180
Series 2013-37, Class LG, 2.000%, 01/20/2042	51,768	48,945
		7,296,083
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b>		
(Cost \$30,284,219)		\$ 27,359,406
<b>ASSET BACKED SECURITIES – 10.9%</b>		
AASET Trust		
Series 2020-1A, Class A 3.351%, 01/16/2040 (C)	106,731	94,234
ABFC Trust		
Series 2006-HE1, Class A2D (1 month CME Term SOFR + 0.334%) 5.690%, 01/25/2037 (F)	90,130	51,205
Affirm Asset Securitization Trust		
Series 2023-A, Class 1A 6.610%, 01/18/2028 (C)	185,000	186,064
Aligned Data Centers Issuer LLC		
Series 2023-1A, Class A2 6.000%, 08/17/2048 (C)	360,000	356,368



# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
American Credit Acceptance Receivables Trust Series 2022-3, Class B 4.550%, 10/13/2026 (C)	\$ 14,602	\$ 14,585
Series 2023-3, Class B 6.090%, 11/12/2027 (C)	155,000	155,897
AmeriCredit Automobile Receivables Trust Series 2019-3, Class D 2.580%, 09/18/2025	295,000	292,349
Amur Equipment Finance Receivables XI LLC Series 2022-2A, Class A2 5.300%, 06/21/2028 (C)	87,783	87,533
ARI Fleet Lease Trust Series 2023-A, Class A2 5.410%, 02/17/2032 (C)	356,995	356,313
Avant Loans Funding Trust Series 2021-REV1, Class A 1.210%, 07/15/2030 (C)	68,357	67,870
Avis Budget Rental Car Funding Aesop LLC Series 2023-7A, Class A 5.900%, 08/21/2028 (C)	175,000	178,548
Benefit Street Partners CLO XXXI, Ltd. Series 2023-31A, Class B1 (3 month CME Term SOFR + 2.350%) 7.728%, 04/25/2036 (C)(F)	270,000	270,493
BlueMountain CLO XXIV, Ltd. Series 2019-24A, Class AR (3 month CME Term SOFR + 1.362%) 6.777%, 04/20/2034 (C)(F)	415,000	413,043
Carvana Auto Receivables Trust Series 2022-P2, Class A3 4.130%, 04/12/2027	464,877	457,621
CCG Receivables Trust Series 2023-1, Class A2 5.820%, 09/16/2030 (C)	158,690	159,678
CF Hippolyta Issuer LLC Series 2020-1, Class A1 1.690%, 07/15/2060 (C)	104,128	96,232
Series 2020-1, Class A2 1.990%, 07/15/2060 (C)	126,925	108,153
Series 2022-1A, Class A1 5.970%, 08/15/2062 (C)	100,644	98,979
Chesapeake Funding II LLC Series 2023-1A, Class A1 5.650%, 05/15/2035 (C)	270,991	271,704
CIFC Funding, Ltd. Series 2017-2A, Class AR (3 month CME Term SOFR + 1.212%) 6.627%, 04/20/2030 (C)(F)	806,741	806,098
CNH Equipment Trust Series 2023-A, Class A4 4.770%, 10/15/2030	85,000	84,431
CPS Auto Receivables Trust Series 2023-B, Class A 5.910%, 08/16/2027 (C)	336,117	336,320
DLLAA LLC Series 2023-1A, Class A3 5.640%, 02/22/2028 (C)	135,000	137,130
Domino's Pizza Master Issuer LLC Series 2018-1A, Class A2I 4.116%, 07/25/2048 (C)	351,500	341,496
Series 2019-1A, Class A2 3.668%, 10/25/2049 (C)	168,438	153,672

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Domino's Pizza Master Issuer LLC (continued) Series 2021-1A, Class A2I 2.662%, 04/25/2051 (C)	\$ 263,250	\$ 232,711
DT Auto Owner Trust Series 2023-1A, Class B 5.190%, 10/16/2028 (C)	120,000	118,955
Series 2023-2A, Class B 5.410%, 02/15/2029 (C)	135,000	134,313
Elmwood CLO, Ltd. Series 2022-6A, Class BR (3 month CME Term SOFR + 2.400%) 7.797%, 10/17/2036 (C)(F)	365,000	365,906
Series 2023-2A, Class B (3 month CME Term SOFR + 2.250%) 7.644%, 04/16/2036 (C)(F)	250,000	249,676
Enterprise Fleet Financing LLC Series 2023-1, Class A3 5.420%, 10/22/2029 (C)	185,000	186,764
Exeter Automobile Receivables Trust Series 2019-4A, Class D 2.580%, 09/15/2025 (C)	153,169	151,622
Series 2020-1A, Class D 2.730%, 12/15/2025 (C)	66,470	65,592
Series 2022-1A, Class B 2.180%, 06/15/2026	56,823	56,639
Series 2022-4A, Class B 4.570%, 01/15/2027	175,000	174,086
Series 2022-6A, Class B 6.030%, 08/16/2027	75,000	75,129
First Franklin Mortgage Loan Trust Series 2006-FF12, Class A5 (1 month CME Term SOFR + 0.424%) 5.780%, 09/25/2036 (F)	172,286	159,472
FirstKey Homes Trust Series 2022-SFR1, Class A 4.145%, 05/19/2039 (C)	139,067	133,479
Series 2022-SFR2, Class A 4.250%, 07/17/2039 (C)	571,766	548,732
Flagship Credit Auto Trust Series 2022-3, Class B 4.690%, 07/17/2028 (C)	239,000	234,141
Series 2023-1, Class B 5.050%, 01/18/2028 (C)	66,000	65,318
Galaxy XXIII CLO, Ltd. Series 2017-23A, Class AR (3 month CME Term SOFR + 1.132%) 6.530%, 04/24/2029 (C)(F)	401,832	401,395
GLS Auto Receivables Issuer Trust Series 2022-3A, Class B 4.920%, 01/15/2027 (C)	45,000	44,639
Golub Capital Partners CLO 68B, Ltd. Series 2023-68A, Class B (3 month CME Term SOFR + 2.800%) 8.197%, 07/25/2036 (C)(F)	250,000	251,067
GSAA Home Equity Trust Series 2006-10, Class AF3 5.985%, 06/25/2036 (G)	135,066	35,143
Series 2006-15, Class AF6 6.376%, 09/25/2036	339,105	87,640
Series 2006-20, Class 2A1A (1 month CME Term SOFR + 0.214%) 5.570%, 12/25/2046 (F)	179,429	85,479
GSAA Trust Series 2005-7, Class AF4 5.558%, 05/25/2035	146,009	138,779

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
GSAMP Trust		
Series 2007-FM2, Class A2B (1 month CME Term SOFR + 0.204%) 5.560%, 01/25/2037 (F)	\$ 176,623	\$ 100,409
Hertz Vehicle Financing III LLC		
Series 2023-3A, Class A 5.940%, 02/25/2028 (C)	475,000	483,705
Invesco US CLO, Ltd.		
Series 2023-2A, Class B (3 month CME Term SOFR + 2.300%) 7.712%, 04/21/2036 (C)(F)	250,000	250,076
Marlette Funding Trust		
Series 2021-2A, Class B 1.060%, 09/15/2031 (C)	817	815
MF1, Ltd.		
Series 2022-FL8, Class AS (1 month CME Term SOFR + 1.750%) 7.106%, 02/19/2037 (C)(F)	335,000	329,282
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)	220,665	217,579
Navient Private Education Refi Loan Trust		
Series 2021-EA, Class A 0.970%, 12/16/2069 (C)	151,687	130,721
Series 2021-FA, Class A 1.110%, 02/18/2070 (C)	217,125	184,897
Series 2023-A, Class A 5.510%, 10/15/2071 (C)	277,717	277,518
New Economy Assets Phase 1 Sponsor LLC		
Series 2021-1, Class A1 1.910%, 10/20/2061 (C)	310,000	271,278
NRZ Excess Spread-Collateralized Notes		
Series 2020-PLS1, Class A 3.844%, 12/25/2025 (C)	36,672	34,953
Octagon, Ltd.		
Series 2023-2A, Class B (3 month CME Term SOFR + 2.350%) 7.766%, 04/20/2036 (C)(F)	270,000	268,001
Pretium Mortgage Credit Partners 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)	187,686	180,815
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)	127,020	125,257
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)	400,830	397,144
Progress Residential Trust		
Series 2021-SFR8, Class A 1.510%, 10/17/2038 (C)	392,042	351,697
Series 2022-SFR3, Class A 3.200%, 04/17/2039 (C)	133,510	124,750
Series 2022-SFR5, Class A 4.451%, 06/17/2039 (C)	103,608	100,270
Series 2022-SFR6, Class A 4.451%, 07/20/2039 (C)	624,093	601,586
Series 2022-SFR7, Class A 4.750%, 10/27/2039 (C)	163,848	159,624

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Retained Vantage Data Centers Issuer LLC		
Series 2023-1A, Class A2A 5.000%, 09/15/2048 (C)	\$ 530,000	\$ 495,557
RR 23, Ltd.		
Series 2022-23A, Class A2R (3 month CME Term SOFR + 2.650%) 7.999%, 10/15/2035 (C)(F)	520,000	524,946
Santander Drive Auto Receivables Trust		
Series 2022-4, Class B 4.420%, 11/15/2027	350,000	345,744
Series 2022-5, Class B 4.430%, 03/15/2027	110,000	108,696
Series 2022-6, Class B 4.720%, 06/15/2027	80,000	79,263
Series 2022-7, Class B 5.950%, 01/17/2028	305,000	306,437
Series 2023-1, Class B 4.980%, 02/15/2028	140,000	138,961
Series 2023-3, Class B 5.610%, 07/17/2028	235,000	236,096
Securitized Asset Backed Receivables LLC Trust		
Series 2006-HE1, Class A2B (1 month CME Term SOFR + 0.294%) 5.650%, 07/25/2036 (F)	117,375	39,697
SFS Auto Receivables Securitization Trust		
Series 2023-1A, Class B 5.710%, 01/22/2030 (C)	115,000	115,827
Sound Point CLO XXIX, Ltd.		
Series 2021-1A, Class A (3 month CME Term SOFR + 1.332%) 6.710%, 04/25/2034 (C)(F)	655,000	649,453
Soundview Home Loan Trust		
Series 2007-OPT2, Class 2A3 (1 month CME Term SOFR + 0.294%) 5.650%, 07/25/2037 (F)	22,133	18,993
Stack Infrastructure Issuer LLC		
Series 2023-2A, Class A2 5.900%, 07/25/2048 (C)	335,000	329,625
Summit Issuer LLC		
Series 2020-1A, Class A2 2.290%, 12/20/2050 (C)	155,000	143,395
Taco Bell Funding LLC		
Series 2021-1A, Class A2II 2.294%, 08/25/2051 (C)	878,355	753,721
Texas Debt Capital CLO, Ltd.		
Series 2023-1A, Class B (3 month CME Term SOFR + 2.300%) 7.716%, 04/20/2036 (C)(F)	300,000	300,734
Texas Natural Gas Securitization Finance Corp.		
Series 2023-1, Class A1 5.102%, 04/01/2035	280,000	285,359
THL Credit Wind River CLO, Ltd.		
Series 2020-1A, Class A (3 month CME Term SOFR + 1.692%) 7.107%, 10/20/2033 (C)(F)	520,000	520,159
Tricolor Auto Securitization Trust		
Series 2023-1A, Class A 6.480%, 08/17/2026 (C)	65,842	65,794
Tricon Residential Trust		
Series 2022-SFR2, Class A 4.849%, 07/17/2040 (C)	373,915	366,141

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
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)	\$ 54,444	\$ 53,926
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)	182,471	176,067
Venture 42 CLO, Ltd. Series 2021-42A, Class A1A (3 month CME Term SOFR + 1.392%) 6.785%, 04/15/2034 (C)(F)	655,000	648,670
Vericrest Opportunity Loan Transferee 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)	229,622	219,525
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)	343,520	324,796
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)	194,840	189,872
Voya CLO, Ltd. Series 2015-1A, Class A1R (3 month CME Term SOFR + 1.162%) 6.557%, 01/18/2029 (C)(F)	182,850	182,799
Wellfleet CLO X, Ltd. Series 2019-XA, Class A1R (3 month CME Term SOFR + 1.432%) 6.847%, 07/20/2032 (C)(F)	519,336	515,128
Wendy's Funding LLC Series 2018-1A, Class A2II 3.884%, 03/15/2048 (C)	220,893	205,189
Westlake Automobile Receivables Trust Series 2020-3A, Class D 1.650%, 02/17/2026 (C)	215,000	211,577
Series 2022-2A, Class B 4.310%, 09/15/2027 (C)	270,000	266,816
Series 2023-1A, Class B 5.410%, 01/18/2028 (C)	75,000	74,642
Wingstop Funding LLC Series 2020-1A, Class A2 2.841%, 12/05/2050 (C)	197,000	177,158
World Omni Auto Receivables Trust Series 2023-A, Class B 5.030%, 05/15/2029	125,000	124,825
<b>TOTAL ASSET BACKED SECURITIES (Cost \$23,908,832)</b>		<b>\$ 23,358,658</b>
<b>SHORT-TERM INVESTMENTS – 3.9%</b>		
<b>Short-term funds – 0.1%</b>		
John Hancock Collateral Trust, 5.3645% (H)(I)	23,452	234,527

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
2-Year U.S. Treasury Note Futures	34	Long	Mar 2024	\$6,927,030	\$7,001,078	\$74,048

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS (continued)</b>		
<b>Repurchase agreement – 3.8%</b>		
Deutsche Bank Tri-Party Repurchase Agreement dated 12-29-23 at 5.330% to be repurchased at \$8,204,856 on 1-2-24, collateralized by \$8,194,163 Government National Mortgage Association, 6.000% due 10-20-53 (valued at \$8,364,001)	\$ 8,200,000	\$ 8,200,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$8,434,543)</b>		<b>\$ 8,434,527</b>
<b>Total Investments (Investment Quality Bond Trust) (Cost \$290,521,030) – 127.0%</b>		<b>\$ 272,378,322</b>
<b>Other assets and liabilities, net – (27.0%)</b>		<b>(57,937,779)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 214,440,543</b>

### Currency Abbreviations

BRL	Brazilian Real
EUR	Euro

### Security Abbreviations and Legend

CME	CME Group Published Rates
CMT	Constant Maturity Treasury
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
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 \$61,715,035 or 28.8% of the fund's net assets as of 12-31-23.
(D)	All or a portion of this security is on loan as of 12-31-23.
(E)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(F)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(G)	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.
(H)	The rate shown is the annualized seven-day yield as of 12-31-23.
(I)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

# John Hancock Variable Insurance Trust

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

## Investment Quality Bond Trust (continued)

### FUTURES (continued)

	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
<b>Open contracts</b>						
5-Year U.S. Treasury Note Futures	162	Long	Mar 2024	17,183,807	17,621,297	\$437,490
10-Year Canada Government Bond Futures	41	Short	Mar 2024	(3,677,843)	(3,842,406)	(164,563)
10-Year U.S. Treasury Note Futures	100	Short	Mar 2024	(10,961,597)	(11,289,063)	(327,466)
Euro-BTP Italian Government Bond Futures	7	Short	Mar 2024	(893,594)	(920,750)	(27,156)
Euro-Buxl Futures	7	Short	Mar 2024	(1,025,273)	(1,095,163)	(69,890)
German Euro BUND Futures	21	Short	Mar 2024	(3,100,469)	(3,181,163)	(80,694)
U.S. Treasury Long Bond Futures	17	Short	Mar 2024	(1,960,663)	(2,123,938)	(163,275)
Ultra 10-Year U.S. Treasury Note Futures	29	Short	Mar 2024	(3,268,638)	(3,422,453)	(153,815)
Ultra U.S. Treasury Bond Futures	81	Short	Mar 2024	(9,774,667)	(10,821,094)	(1,046,427)
						<b>\$(1,521,748)</b>

<sup>^</sup> 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 942,387	BRL 4,715,000	DB	3/20/2024	—	\$(21,229)
USD 104,552	EUR 95,000	CITI	3/20/2024	—	(646)
USD 4,276,924	EUR 3,886,000	DB	3/20/2024	—	(26,217)
				—	<b>\$(48,092)</b>

### 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	\$(10,983)	\$576,959	\$565,976
Centrally cleared	1,320,000	USD	Fixed 1.560%	USD Compounded SOFR	Annual	Annual	Dec 2051	(7,700)	432,171	424,471
Centrally cleared	380,000	USD	Fixed 2.880%	USD Compounded SOFR	Annual	Annual	Mar 2053	4,360	33,668	38,028
Centrally cleared	1,105,000	USD	Fixed 2.970%	USD Compounded SOFR	Annual	Annual	Mar 2053	654	90,820	91,474
Centrally cleared	370,000	USD	Fixed 3.250%	USD Compounded SOFR	Annual	Annual	Jun 2053	(3,987)	12,776	8,789
								<b>\$(17,656)</b>	<b>\$1,146,394</b>	<b>\$1,128,738</b>

#### 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	930,000	USD	\$930,000	1.000%	Quarterly	Jun 2028	\$42,285	\$(36,592)	\$5,693
Centrally cleared	CDX.EM.40	1,555,000	USD	1,555,000	1.000%	Quarterly	Dec 2028	73,916	(29,181)	44,735
				<b>\$2,485,000</b>				<b>\$116,201</b>	<b>\$(65,773)</b>	<b>\$50,428</b>

#### Derivatives Currency Abbreviations

BRL	Brazilian Real
EUR	Euro
USD	U.S. Dollar

#### Derivatives Abbreviations

CITI	Citibank, N.A.
DB	Deutsche Bank AG
OTC	Over-the-counter
SOFR	Secured Overnight Financing Rate

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

# John Hancock Variable Insurance Trust

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

## Money Market Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT – 16.6%</b>		
U.S. Treasury Bill		
5.365%, 01/09/2024	\$ 64,072,000	\$ 63,996,751
5.375%, 01/25/2024	127,211,400	126,763,407
5.432%, 01/23/2024	31,983,400	31,879,018
U.S. Treasury Note		
5.416%, (3 month USBMMY - 0.075%), 04/30/2024 (A)	109,153,800	109,113,360
5.464%, (3 month USBMMY + 0.037%), 07/31/2024 (A)	48,848,500	48,842,872
<b>TOTAL U.S. GOVERNMENT (Cost \$380,595,408)</b>		<b>\$ 380,595,408</b>
<b>U.S. GOVERNMENT AGENCY – 59.9%</b>		
Federal Agricultural Mortgage Corp.		
5.211%, 07/15/2024	15,940,000	15,506,078
5.266%, 06/13/2024	6,520,000	6,520,000
5.356%, 08/01/2024	9,617,000	9,617,000
5.387%, 05/01/2024	12,647,000	12,425,108
5.409%, 05/02/2024	12,742,000	12,515,730
5.434%, 10/28/2024	9,617,000	9,204,503
5.456%, 09/03/2024	6,415,000	6,187,492
5.462%, 06/03/2024	935,000	916,436
5.500%, 07/01/2024	12,820,000	12,477,791
5.631%, (Overnight SOFR + 0.140%), 01/21/2025 (A)	15,984,000	15,981,720
5.642%, (Overnight SOFR + 0.150%), 01/06/2025 (A)	12,739,000	12,737,186
5.678%, (Overnight SOFR + 0.200%), 04/04/2025 (A)	6,527,000	6,527,000
5.678%, (Overnight SOFR + 0.200%), 12/18/2025 (A)	12,727,000	12,727,000
Federal Farm Credit Bank		
4.780%, 04/16/2024	13,051,000	12,872,310
4.927%, 11/08/2024	1,058,000	1,029,322
5.059%, 02/08/2024	8,698,000	8,694,865
5.221%, 02/16/2024	7,512,000	7,464,761
5.264%, 09/03/2024	1,804,000	1,765,010
5.321%, 01/12/2024	12,647,000	12,626,751
5.362%, 01/25/2024	12,716,000	12,671,324
5.362%, 02/14/2024	636,000	632,988
5.366%, 01/30/2024	15,774,000	15,707,035
5.371%, 01/11/2024	17,954,000	17,927,618
5.389%, 02/12/2024	6,368,000	6,330,195
5.390%, 01/03/2024	6,388,000	6,386,116
5.390%, 01/03/2024	25,585,000	25,577,438
5.403%, 02/07/2024	32,156,000	31,980,839
5.428%, 04/17/2024	9,602,000	9,451,598
5.432%, (Prime rate - 3.120%), 01/08/2024 (A)	21,665,000	21,665,095
5.439%, 03/14/2024	3,194,000	3,169,949
5.441%, 08/21/2024	752,000	749,116
5.442%, 02/26/2024	1,137,000	1,128,016
5.455%, 08/07/2024	6,000,000	6,000,000
5.470%, (Prime rate - 3.140%), 04/12/2024 (A)	10,030,000	10,028,969
5.473%, 03/08/2024	3,196,000	3,173,934
5.475%, (U.S. Federal Funds Effective Rate + 0.070%), 10/04/2024 (A)	13,238,000	13,238,000
5.511%, (Overnight SOFR + 0.040%), 01/25/2024 (A)	9,965,000	9,965,033
5.516%, (Overnight SOFR + 0.040%), 02/09/2024 (A)	3,262,000	3,262,000
5.516%, (Overnight SOFR + 0.040%), 02/05/2024 (A)	3,338,000	3,338,000
5.516%, (Overnight SOFR + 0.040%), 03/18/2024 (A)	13,297,000	13,297,000

## Money Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AGENCY (continued)</b>		
Federal Farm Credit Bank (continued)		
5.516%, (Prime rate - 3.085%), 08/08/2024 (A)	\$ 13,232,000	\$ 13,229,995
5.530%, (Overnight SOFR + 0.045%), 03/08/2024 (A)	3,202,000	3,201,947
5.536%, (Overnight SOFR + 0.060%), 07/08/2024 (A)	9,982,000	9,982,000
5.536%, (Prime rate - 3.040%), 10/17/2024 (A)	6,000,000	6,000,000
5.556%, (Overnight SOFR + 0.080%), 07/22/2024 (A)	4,000,000	4,000,000
5.556%, (U.S. Federal Funds Effective Rate + 0.150%), 02/03/2025 (A)	6,539,000	6,539,000
5.577%, (Overnight SOFR + 0.085%), 07/22/2024 (A)	6,615,000	6,614,450
5.597%, (Prime rate - 2.980%), 01/09/2025 (A)	5,202,000	5,202,000
5.602%, (Overnight SOFR + 0.125%), 03/07/2025 (A)	3,265,000	3,265,000
5.602%, (Overnight SOFR + 0.125%), 10/03/2024 (A)	6,488,000	6,488,000
5.605%, 10/23/2024	6,402,000	6,402,000
5.612%, (Overnight SOFR + 0.135%), 09/05/2024 (A)	3,260,000	3,260,000
5.612%, (Overnight SOFR + 0.135%), 04/29/2025 (A)	3,208,000	3,208,000
5.617%, (Overnight SOFR + 0.140%), 11/07/2024 (A)	7,894,000	7,894,000
5.618%, (Overnight SOFR + 0.120%), 01/22/2024 (A)	3,284,000	3,283,959
5.627%, (Prime rate - 2.950%), 12/16/2024 (A)	5,889,000	5,889,000
5.640%, (Overnight SOFR + 0.110%), 02/14/2025 (A)	4,019,000	4,016,733
5.647%, (Overnight SOFR + 0.170%), 01/23/2025 (A)	9,757,000	9,757,000
5.658%, (Overnight SOFR + 0.180%), 03/20/2025 (A)	6,542,000	6,542,000
5.678%, (Overnight SOFR + 0.200%), 12/05/2024 (A)	11,000,000	11,000,000
Federal Home Loan Bank		
4.680%, 02/02/2024	19,665,000	19,583,194
4.810%, 01/12/2024	13,058,000	13,038,808
4.826%, 01/22/2025	200,000	191,637
4.872%, 02/09/2024	13,069,000	13,001,324
4.968%, 11/18/2024	2,875,000	2,761,428
5.030%, 02/01/2024	6,526,000	6,498,239
5.050%, 10/25/2024	630,000	629,695
5.051%, 09/30/2024	2,455,000	2,422,968
5.065%, 02/08/2024	710,000	709,922
5.094%, 09/17/2024	1,490,000	1,441,982
5.117%, 03/28/2024	6,400,000	6,358,701
5.142%, 11/08/2024	1,540,000	1,488,620
5.186%, 04/03/2024	4,575,000	4,575,000
5.200%, 01/12/2024	652,000	650,964
5.236%, 05/15/2024	6,710,000	6,710,000
5.237%, 09/24/2024	6,370,000	6,373,598
5.251%, 11/27/2024	1,270,000	1,219,165
5.253%, 09/30/2024	635,000	615,552
5.255%, 09/23/2024	635,000	613,325
5.257%, 02/28/2024	5,090,000	5,090,000
5.266%, 05/06/2024	6,515,000	6,515,000
5.266%, 05/10/2024	16,295,000	16,295,000
5.280%, 01/12/2024	6,082,000	6,072,188
5.280%, 03/22/2024	641,000	633,385
5.282%, 02/14/2024	9,690,000	9,686,892
5.296%, 02/07/2024	6,860,000	6,860,000

# John Hancock Variable Insurance Trust

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

## Money Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AGENCY (continued)</b>		
Federal Home Loan Bank (continued)		
5.299%, 09/13/2024	\$ 4,840,000	\$ 4,758,052
5.300%, 02/02/2024	7,688,000	7,651,781
5.315%, 03/28/2024	3,385,000	3,385,000
5.325%, 03/01/2024	6,525,000	6,525,000
5.325%, 01/12/2024	12,824,000	12,803,134
5.330%, 06/07/2024	9,820,000	9,820,000
5.330%, 03/22/2024	16,046,000	15,853,568
5.344%, 01/02/2024	19,188,000	19,185,191
5.355%, 06/10/2024	4,500,000	4,396,155
5.359%, 12/06/2024	1,220,000	1,219,205
5.359%, 05/24/2024	720,000	719,877
5.364%, 01/26/2024	19,294,000	19,223,376
5.365%, 03/08/2024	1,050,000	1,049,904
5.367%, 01/31/2024	8,329,000	8,292,422
5.367%, 01/25/2024	16,034,000	15,977,614
5.370%, 04/10/2024	6,682,000	6,585,111
5.373%, 03/11/2024	6,388,000	6,322,851
5.375%, 08/01/2024	12,846,000	12,455,332
5.375%, 04/03/2024	12,806,000	12,632,980
5.375%, 03/07/2024	9,039,000	8,952,000
5.377%, 01/05/2024	3,850,000	3,847,733
5.378%, 06/12/2024	969,000	946,273
5.379%, 05/31/2024	16,078,000	15,727,995
5.383%, 02/07/2024	5,420,000	5,390,587
5.387%, 05/24/2024	645,000	633,375
5.387%, 08/16/2024	1,285,000	1,243,169
5.390%, 06/14/2024	2,095,000	2,074,064
5.398%, 09/09/2024	2,510,000	2,510,064
5.399%, 04/22/2024	2,545,000	2,506,981
5.405%, 01/10/2024	6,388,000	6,379,498
5.408%, 01/19/2024	9,443,000	9,417,976
5.408%, 01/19/2024	1,280,000	1,276,582
5.415%, 03/25/2024	925,000	913,615
5.417%, 05/24/2024	1,345,000	1,344,857
5.417%, 03/15/2024	16,003,000	15,829,150
5.426%, 05/10/2024	7,048,000	6,914,382
5.435%, 02/08/2024	958,000	952,610
5.437%, 07/29/2024	800,000	777,958
5.441%, 02/28/2024	640,000	634,514
5.441%, 03/08/2024	3,520,000	3,506,045
5.445%, 02/13/2024	2,870,000	2,859,981
5.446%, 03/28/2024	6,405,000	6,353,257
5.448%, 05/10/2024	635,000	634,565
5.450%, 02/14/2024	2,980,000	2,980,000
5.453%, 06/14/2024	635,000	634,587
5.455%, 02/14/2024	3,440,000	3,440,000
5.460%, 06/14/2024	6,265,000	6,193,352
5.460%, 10/03/2024	770,000	764,501
5.465%, 06/18/2024	9,825,000	9,825,000
5.467%, 03/08/2024	14,985,000	14,976,889
5.471%, 02/28/2024	640,000	636,584
5.478%, 06/17/2024	19,190,000	18,718,054
5.479%, 01/10/2024	4,690,000	4,689,413
5.481%, 05/24/2024	900,000	883,564
5.484%, 07/08/2024	765,000	755,379
5.485%, 06/28/2024	3,265,000	3,265,000
5.485%, 06/11/2024	975,000	974,597
5.492%, 06/14/2024	1,460,000	1,455,943
5.505%, (Overnight SOFR + 0.030%), 01/05/2024 (A)	19,205,000	19,205,000
5.510%, (Overnight SOFR + 0.035%), 01/19/2024 (A)	16,005,000	16,005,000
5.516%, (Overnight SOFR + 0.040%), 02/20/2024 (A)	16,055,000	16,055,000
5.516%, (Overnight SOFR + 0.040%), 01/26/2024 (A)	12,815,000	12,815,000

## Money Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AGENCY (continued)</b>		
Federal Home Loan Bank (continued)		
5.516%, (Overnight SOFR + 0.040%), 01/23/2024 (A)	\$ 15,985,000	\$ 15,985,000
5.516%, (Overnight SOFR + 0.040%), 02/02/2024 (A)	12,830,000	12,830,000
5.521%, (Overnight SOFR + 0.045%), 03/26/2024 (A)	15,990,000	15,990,000
5.521%, (Overnight SOFR + 0.045%), 02/22/2024 (A)	16,005,000	16,005,000
5.525%, 03/15/2024	1,125,000	1,123,846
5.526%, (Overnight SOFR + 0.050%), 03/26/2024 (A)	12,835,000	12,835,000
5.526%, (Overnight SOFR + 0.050%), 03/08/2024 (A)	16,010,000	16,010,000
5.531%, (Overnight SOFR + 0.055%), 03/20/2024 (A)	6,405,000	6,405,000
5.533%, 01/09/2024	5,225,000	5,224,251
5.534%, 03/08/2024	2,375,000	2,365,757
5.535%, 06/28/2024	6,165,000	6,165,000
5.549%, 02/28/2024	640,000	638,035
5.552%, 05/07/2024	12,805,000	12,792,189
5.574%, 08/26/2024	15,000,000	15,000,000
5.593%, 09/13/2024	12,845,000	12,845,000
5.597%, (Overnight SOFR + 0.120%), 03/06/2024 (A)	5,515,000	5,515,000
5.612%, 09/20/2024	3,510,018	3,510,018
5.627%, (Overnight SOFR + 0.150%), 01/30/2025 (A)	9,800,000	9,800,000
5.642%, (Overnight SOFR + 0.165%), 06/26/2025 (A)	18,960,000	18,960,000
5.684%, 11/06/2024	16,010,000	16,010,000
5.688%, (Overnight SOFR + 0.210%), 12/26/2025 (A)	6,320,000	6,320,000
Federal Home Loan Mortgage Corp.		
5.144%, 08/01/2024	3,753,000	3,748,088
5.270%, 09/25/2024	3,192,000	3,082,157
5.346%, 11/19/2024	767,000	735,243
5.369%, 11/15/2024	637,000	636,713
5.385%, 06/11/2024	865,000	864,808
5.403%, 01/17/2024	2,864,000	2,860,952
5.435%, 06/17/2024	13,000,000	13,000,000
5.441%, 05/17/2024	8,656,000	8,650,825
Federal National Mortgage Association		
4.860%, 01/26/2024	3,000,000	3,000,000
5.009%, 01/25/2024	2,614,000	2,614,000
5.084%, 04/26/2024	9,813,000	9,813,000
5.153%, 02/05/2024	6,917,000	6,898,245
5.186%, 04/03/2024	12,087,000	12,087,000
5.262%, 07/02/2024	2,846,000	2,796,414
5.264%, 06/07/2024	4,256,000	4,256,000
5.414%, 09/06/2024	1,151,000	1,129,986
5.475%, 05/30/2024	2,507,000	2,505,523
5.477%, 04/26/2024	9,278,000	9,270,001
Tennessee Valley Authority		
5.386%, 09/15/2024	6,407,000	6,298,015
<b>TOTAL U.S. GOVERNMENT AGENCY (Cost \$1,370,620,710)</b>		<b>\$ 1,370,620,710</b>
<b>CORPORATE BONDS – 0.2%</b>		
Private Export Funding Corp.		
5.429%, 11/15/2024	\$ 685,000	\$ 663,998
5.592%, 01/15/2024	2,890,000	2,887,722
<b>TOTAL CORPORATE BONDS (Cost \$3,551,720)</b>		<b>\$ 3,551,720</b>

# John Hancock Variable Insurance Trust

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

## Money Market Trust (continued)

REPURCHASE AGREEMENT – 23.0%		
Barclays Tri-Party Repurchase Agreement dated 12-29-23 at 5.320% to be repurchased at \$32,018,916 on 1-2-24, collateralized by \$36,391,000 U.S. Treasury Notes, 1.250% due 6-30-28 (valued at \$32,659,360)		
\$	32,000,000	\$ 32,000,000
Repurchase Agreement with State Street Corp. dated 12-29-23 at 2.630% to be repurchased at \$104,030 on 1-2-24, collateralized by \$109,900 U.S. Treasury Notes, 2.750% due 2-15-28 (valued at \$106,157)		
	104,000	104,000
Repurchase Agreement with State Street Corp. dated 12-29-23 at 5.310% to be repurchased at \$493,290,870 on 1-2-24, collateralized by \$133,680,500 U.S. Treasury Inflation Indexed Notes, 0.125% due 7-15-26 (valued at \$163,779,531) and \$369,402,500 U.S. Treasury Notes, 0.625% due 7-15-26 (valued at \$339,080,502)		
	493,000,000	493,000,000
<b>TOTAL REPURCHASE AGREEMENT (Cost \$525,104,000)</b>		
	<b>\$ 525,104,000</b>	
<b>Total Investments (Money Market Trust) (Cost \$2,279,871,838) – 99.7%</b>		
	<b>\$ 2,279,871,838</b>	
<b>Other assets and liabilities, net – 0.3%</b>		
	<b>7,644,196</b>	
<b>TOTAL NET ASSETS – 100.0%</b>		
	<b>\$ 2,287,516,034</b>	

### Security Abbreviations and Legend

SOFR	Secured Overnight Financing Rate
USBMMY (A)	U.S. Treasury Bill Money Market Yield Variable rate obligation.

## Opportunistic Fixed Income Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 36.8%</b>		
<b>U.S. Government - 14.1%</b>		
U.S. Treasury Inflation Protected Securities		
0.750%, 02/15/2042	\$ 2,859,423	\$ 2,316,223
1.125%, 01/15/2033	2,644,224	2,501,166
1.375%, 07/15/2033	4,629,684	4,488,099
1.625%, 10/15/2027 (A)	10,812,242	10,729,480
2.375%, 10/15/2028	2,541,410	2,617,259
U.S. Treasury Notes		
3.500%, 02/15/2033	18,500	17,940
3.875%, 08/15/2033	83,600	83,496
4.500%, 11/15/2033	25,100	26,351
		22,780,014
<b>U.S. Government Agency - 22.7%</b>		
Federal Home Loan Mortgage Corp.		
5.000%, 04/01/2053	789,109	781,245
5.500%, 10/01/2053	808,058	811,898
6.500%, 11/01/2053	110,254	113,556
Federal National Mortgage Association		
2.000%, TBA (B)	325,000	265,743
2.500%, TBA (B)	775,000	660,082
2.500%, 04/01/2052	274,010	236,877
3.500%, TBA (B)	140,000	128,516
4.000%, TBA (B)	499,000	471,730
4.500%, TBA (B)	1,440,000	1,422,504
5.000%, TBA (B)	2,953,000	2,923,469
5.000%, 11/01/2053	830,561	822,025
5.500%, TBA (B)	8,661,000	8,703,633
6.000%, TBA (B)	5,191,000	5,273,733

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National Mortgage Association (continued)		
6.500%, TBA (B)	\$ 480,000	\$ 491,775
6.500%, 11/01/2053	188,651	194,301
7.000%, TBA (B)	12,863,000	13,266,461
		36,567,548
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$58,836,732)</b>		
		<b>\$ 59,347,562</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS - 40.5%</b>		
<b>Angola - 0.1%</b>		
Republic of Angola		
8.750%, 04/14/2032	200,000	175,597
<b>Australia - 2.5%</b>		
Commonwealth of Australia		
1.750%, 06/21/2051	AUD 7,765,000	3,100,722
2.750%, 05/21/2041	1,690,000	935,675
		4,036,397
<b>Benin - 0.2%</b>		
Republic of Benin		
4.950%, 01/22/2035	EUR 280,000	242,710
<b>Brazil - 7.4%</b>		
Federative Republic of Brazil		
9.586%, 07/01/2026 (C)	BRL 1,559,000	254,450
9.680%, 01/01/2026 (C)	1,697,000	289,515
9.758%, 07/01/2027 (C)	3,692,000	546,116
10.000%, 01/01/2027 to 01/01/2033	52,655,000	10,815,211
		11,905,292
<b>Bulgaria - 0.1%</b>		
Republic of Bulgaria		
4.500%, 01/27/2033	EUR 75,000	86,832
<b>Canada - 1.3%</b>		
Province of Ontario		
2.000%, 12/01/2036	CAD 2,870,560	2,051,539
<b>Chile - 0.3%</b>		
Republic of Chile		
4.700%, 09/01/2030 (D)	CLP 120,000,000	133,429
5.000%, 03/01/2035	30,000,000	34,021
5.800%, 10/01/2034 (D)	85,000,000	101,397
6.000%, 04/01/2033 (D)	180,000,000	217,541
6.000%, 01/01/2043	15,000,000	19,021
		505,409
<b>Colombia - 1.6%</b>		
Republic of Colombia		
3.875%, 02/15/2061	\$ 645,000	400,984
4.125%, 02/22/2042	840,000	598,873
6.000%, 04/28/2028	COP 792,600,000	180,227
7.000%, 03/26/2031	952,100,000	211,843
7.250%, 10/18/2034	1,008,200,000	213,616
7.750%, 09/18/2030	1,202,100,000	282,213
9.250%, 05/28/2042	642,900,000	150,587
13.250%, 02/09/2033	1,703,800,000	521,988
		2,560,331
<b>Czech Republic - 1.1%</b>		
Czech Republic		
0.950%, 05/15/2030	CZK 7,560,000	285,199
1.200%, 03/13/2031	6,810,000	256,033
1.500%, 04/24/2040	980,000	31,364
1.750%, 06/23/2032 to 06/23/2032	4,740,000	182,087
1.950%, 07/30/2037	460,000	16,483
2.000%, 10/13/2033	2,990,000	114,593
2.500%, 08/25/2028	3,510,000	148,677

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>			
<b>Czech Republic (continued)</b>			
Czech Republic (continued)			
4.500%, 11/11/2032	CZK	1,970,000	\$ 92,881
4.900%, 04/14/2034		5,860,000	287,055
5.000%, 09/30/2030		4,340,000	208,386
6.000%, 02/26/2026		2,430,000	113,091
			<u>1,735,849</u>
<b>Dominican Republic - 1.0%</b>			
Government of the Dominican Republic			
11.250%, 09/15/2035 (D)	DOP	84,000,000	1,551,671
<b>Ghana - 0.1%</b>			
Republic of Ghana			
10.750%, 10/14/2030	\$	250,000	156,563
<b>Greece - 0.7%</b>			
Republic of Greece, GDP-Linked Note			
4.404%, 10/15/2042 (E)*	EUR	409,185,000	1,088,645
<b>Hungary - 0.7%</b>			
Republic of Hungary			
1.000%, 11/26/2025	HUF	11,030,000	28,893
1.625%, 04/28/2032	EUR	520,000	465,604
2.250%, 04/20/2033 to 06/22/2034	HUF	27,540,000	59,310
3.000%, 10/27/2027		73,230,000	192,181
3.250%, 10/22/2031		30,710,000	75,134
4.500%, 03/23/2028		19,240,000	52,747
4.750%, 11/24/2032		83,200,000	220,420
6.750%, 10/22/2028		37,840,000	113,025
			<u>1,207,314</u>
<b>Iceland - 2.0%</b>			
Republic of Iceland			
5.000%, 11/15/2028	ISK	433,770,000	2,913,869
6.500%, 01/24/2031		46,170,000	330,610
			<u>3,244,479</u>
<b>Indonesia - 1.3%</b>			
Republic of Indonesia			
1.100%, 03/12/2033	EUR	280,000	243,820
1.400%, 10/30/2031		380,000	355,213
6.375%, 08/15/2028 to 04/15/2032	IDR	6,835,000,000	440,796
6.500%, 02/15/2031		1,940,000,000	125,299
6.625%, 05/15/2033		926,000,000	60,265
6.875%, 04/15/2029		917,000,000	60,368
7.000%, 05/15/2027 to 02/15/2033		3,452,000,000	230,275
7.125%, 06/15/2042 to 06/15/2043		1,191,000,000	80,239
7.500%, 08/15/2032 to 05/15/2038		6,544,000,000	451,070
8.375%, 03/15/2034		104,000,000	7,539
			<u>2,054,884</u>
<b>Japan - 0.3%</b>			
Government of Japan			
1.800%, 09/20/2053	JPY	68,100,000	497,805
<b>Malaysia - 1.0%</b>			
Government of Malaysia			
2.632%, 04/15/2031	MYR	1,190,000	239,132
3.502%, 05/31/2027		305,000	66,167
3.582%, 07/15/2032		1,455,000	310,549
3.757%, 05/22/2040		270,000	56,175
3.882%, 03/14/2025		190,000	41,613
3.885%, 08/15/2029		955,000	209,389
3.906%, 07/15/2026		1,245,000	273,722
4.254%, 05/31/2035		240,000	53,502
4.642%, 11/07/2033		610,000	142,477
4.696%, 10/15/2042		450,000	105,321
4.893%, 06/08/2038		450,000	107,449
			<u>1,605,496</u>

## Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>			
<b>Mexico - 2.6%</b>			
Government of Mexico			
2.750%, 11/27/2031	MXN	22,400,231	\$ 1,161,749
5.500%, 03/04/2027		6,942,300	366,354
5.625%, 03/19/2114	GBP	100,000	98,342
7.500%, 05/26/2033	MXN	14,820,700	790,434
7.750%, 11/13/2042		3,077,500	159,413
8.000%, 05/24/2035 to 07/31/2053		4,228,300	224,518
8.500%, 05/31/2029 to 11/18/2038		4,263,100	244,159
10.000%, 11/20/2036		1,035,600	65,682
10.414%, 10/30/2025 (C)		8,043,060	394,006
10.563%, 07/10/2025 (C)		14,819,240	747,115
			<u>4,251,772</u>
<b>New Zealand - 4.5%</b>			
Government of New Zealand			
1.500%, 05/15/2031	NZD	690,000	360,475
2.750%, 05/15/2051		2,975,000	1,341,531
Government of New Zealand, Inflation			
Linked Bond			
3.170%, 09/20/2040		3,365,000	2,643,729
3.203%, 09/20/2035		2,315,000	1,878,982
3.904%, 09/20/2030		1,280,000	1,095,818
			<u>7,320,535</u>
<b>North Macedonia - 0.4%</b>			
Republic of North Macedonia			
1.625%, 03/10/2028	EUR	470,000	448,571
2.750%, 01/18/2025		150,000	161,444
			<u>610,015</u>
<b>Norway - 1.5%</b>			
Kingdom of Norway			
1.250%, 09/17/2031 (D)	NOK	27,765,000	2,365,514
<b>Panama - 0.2%</b>			
Republic of Panama			
4.500%, 01/19/2063	\$	200,000	130,493
6.875%, 01/31/2036		200,000	199,428
			<u>329,921</u>
<b>Peru - 0.7%</b>			
Republic of Peru			
5.400%, 08/12/2034	PEN	575,000	140,363
5.940%, 02/12/2029		1,035,000	279,762
6.150%, 08/12/2032		70,000	18,465
6.350%, 08/12/2028		60,000	16,601
6.900%, 08/12/2037		120,000	32,663
6.950%, 08/12/2031		930,000	259,450
7.300%, 08/12/2033 (D)		1,347,000	381,453
			<u>1,128,757</u>
<b>Poland - 0.7%</b>			
Republic of Poland			
1.750%, 04/25/2032	PLN	505,000	99,742
2.750%, 04/25/2028 to 10/25/2029		690,000	159,072
3.250%, 07/25/2025		660,000	163,235
3.750%, 05/25/2027		1,420,000	347,627
7.500%, 07/25/2028		1,535,000	429,352
			<u>1,199,028</u>
<b>Romania - 0.7%</b>			
Republic of Romania			
3.700%, 11/25/2024	RON	90,000	19,568
4.750%, 10/11/2034		750,000	146,493
4.850%, 07/25/2029		335,000	69,446
5.800%, 07/26/2027		850,000	185,840
6.700%, 02/25/2032		320,000	72,723
8.000%, 04/29/2030		1,020,000	245,915
8.250%, 09/29/2032		1,180,000	294,337



# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>			
<b>Romania (continued)</b>			
Republic of Romania (continued)			
8.750%, 10/30/2028	RON	595,000	\$ 145,220
			1,179,542
<b>Serbia - 0.1%</b>			
Republic of Serbia			
1.650%, 03/03/2033	EUR	100,000	81,391
<b>Slovakia - 0.1%</b>			
Republic of Slovakia			
4.000%, 02/23/2043		190,000	217,136
<b>South Africa - 1.2%</b>			
Republic of South Africa			
6.250%, 03/31/2036	ZAR	11,665,000	418,582
7.000%, 02/28/2031 to 02/28/2031		6,130,000	280,320
8.250%, 03/31/2032		9,220,000	440,776
8.500%, 01/31/2037		7,080,000	302,552
8.750%, 01/31/2044		5,755,000	233,283
9.000%, 01/31/2040		4,465,000	190,804
11.625%, 03/31/2053		955,000	49,735
			1,916,052
<b>South Korea - 2.4%</b>			
Republic of Korea, Inflation			
Linked Bond			
1.125%, 06/10/2030	KRW	3,153,749,840	2,522,522
1.750%, 06/10/2028		1,638,763,138	1,354,252
			3,876,774
<b>Sweden - 2.5%</b>			
Kingdom of Sweden, Inflation			
Linked Bond			
0.150%, 06/01/2039	SEK	5,550,000	614,569
0.165%, 06/01/2032		26,820,000	3,389,063
			4,003,632
<b>Thailand - 0.8%</b>			
Kingdom of Thailand			
1.000%, 06/17/2027	THB	6,320,000	176,440
1.585%, 12/17/2035		8,830,000	228,396
2.000%, 12/17/2031 to 06/17/2042		10,810,000	300,934
2.875%, 12/17/2028 to 06/17/2046		8,465,000	250,251
3.350%, 06/17/2033		7,617,000	234,716
3.450%, 06/17/2043		4,970,000	152,238
			1,342,975
<b>Turkey - 0.2%</b>			
Republic of Turkey			
17.300%, 07/19/2028	TRY	1,645,000	45,104
26.200%, 10/05/2033		6,220,000	219,092
			264,196
<b>Uruguay - 0.2%</b>			
Republic of Uruguay			
8.500%, 03/15/2028	UYU	10,093,000	248,156
9.750%, 07/20/2033		5,993,000	154,351
			402,507
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$68,171,807)			\$ 65,196,560
<b>CORPORATE BONDS - 16.2%</b>			
<b>Australia - 0.0%</b>			
Mineral Resources, Ltd.			
9.250%, 10/01/2028 (D)	\$	75,000	79,783
<b>Canada - 1.0%</b>			
Bausch & Lomb Escrow Corp.			
8.375%, 10/01/2028 (D)		175,000	184,615
Bausch Health Companies, Inc.			
4.875%, 06/01/2028 (D)		29,000	17,465

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Canada (continued)</b>		
Bausch Health		
Companies, Inc. (continued)		
5.250%, 01/30/2030 (D)	\$ 185,000	\$ 85,279
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	155,000	151,779
Enbridge, Inc.		
5.700%, 03/08/2033	35,000	36,379
5.750%, (5.750% to 7-15-30, then 5 Year CMT + 5.314% to 7-15-50, then 5 Year CMT + 6.064%), 07/15/2080	269,000	248,153
8.500%, (8.500% to 1-15-34, then 5 Year CMT + 4.431% to 1-15-54, then 5 Year CMT + 5.181%), 01/15/2084	38,000	40,419
goeasy, Ltd.		
4.375%, 05/01/2026 (D)	40,000	38,512
9.250%, 12/01/2028 (D)	140,000	149,516
Ontario Gaming GTA LP		
8.000%, 08/01/2030 (D)	90,000	92,813
The Bank of Nova Scotia		
3.625%, (3.625% to 10-27-26, then 5 Year CMT + 2.613%), 10/27/2081	200,000	153,580
4.900%, (4.900% to 6-4-25, then 5 Year CMT + 4.551%), 06/04/2025 (F)	124,000	118,439
Transcanada Trust		
5.600%, (5.600% to 3-7-32, then 5 Year CMT + 3.986% to 3-7-52, then 5 Year CMT + 4.736%), 03/07/2082	297,000	248,810
5.875%, (5.875% to 8-15-26, then 3 month LIBOR + 4.640% to 8-15-46, then 3 month LIBOR + 5.390%), 08/15/2076	41,000	38,756
		1,604,515
<b>Cayman Islands - 0.1%</b>		
Diamond Foreign Asset Company		
8.500%, 10/01/2030 (D)	165,000	168,729
<b>Chile - 0.4%</b>		
Corp. Nacional del Cobre de Chile		
5.950%, 01/08/2034 (D)	400,000	405,460
6.300%, 09/08/2053 (D)	200,000	202,570
VTR Comunicaciones SpA		
4.375%, 04/15/2029	200,000	100,000
		708,030
<b>China - 0.0%</b>		
CIFI Holdings Group Company, Ltd.		
4.375%, 04/12/2027 (G)	260,000	13,312
Country Garden Holdings Company, Ltd.		
3.875%, 10/22/2030 (G)	290,000	21,361
Times China Holdings, Ltd.		
5.750%, 01/14/2027 (G)	200,000	4,216
Yuzhou Group Holdings Company, Ltd.		
6.350%, 01/13/2027 (G)	200,000	12,000
7.375%, 01/13/2026 (G)	200,000	12,136
		63,025

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Cyprus - 0.1%</b>		
Hellenic Bank PCL 10.250%, (10.250% to 6-14-28, then 5 Year Euro Swap Rate + 6.854%), 06/14/2033	EUR 100,000	\$ 120,646
<b>Denmark - 0.1%</b>		
Danske Bank A/S 4.375%, (4.375% to 11-18-26, then 5 Year CMT + 3.387%), 05/18/2026 (F)	\$ 200,000	180,630
<b>Finland - 0.3%</b>		
Nokia OYJ 6.625%, 05/15/2039	556,000	549,895
<b>France - 1.4%</b>		
Alice France SA 5.125%, 07/15/2029 (D)	200,000	155,604
BPCE SA 1.500%, (1.500% to 1-13-27, then 5 Year Euro Swap Rate + 1.750%), 01/13/2042	EUR 200,000	200,129
SCOR SE 5.250%, (5.250% to 3-13-29, then 5 Year CMT + 2.370%), 03/13/2029 (F)	\$ 200,000	161,058
Societe Generale SA 4.750%, (4.750% to 5-26-26, then 5 Year CMT + 3.931%), 05/26/2026 (D)(F)	200,000	175,440
6.221%, (6.221% to 6-15-32, then 1 Year CMT + 3.200%), 06/15/2033 (D)	420,000	419,223
10.000%, (10.000% to 5-14-29, then 5 Year CMT + 5.448%), 11/14/2028 (D)(F)	200,000	213,703
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 (F)	EUR 470,000	414,609
Valeo SE 1.000%, 08/03/2028	500,000	483,676
		2,223,442
<b>Germany - 0.3%</b>		
Allianz SE 2.600%, (2.600% to 4-30-32, then 5 Year EURIBOR ICE Swap Rate + 2.579%), 10/30/2031 (F)	200,000	159,520
Deutsche Bank AG 4.100%, 01/13/2026	\$ 120,000	116,637
4.625%, (4.625% to 4-30-28, then 5 Year EURIBOR ICE Swap Rate + 4.747%), 10/30/2027 (F)	EUR 200,000	180,695
		456,852
<b>Gibraltar - 0.1%</b>		
888 Acquisitions, Ltd. 7.558%, 07/15/2027	200,000	210,233
<b>Greece - 0.1%</b>		
Piraeus Financial Holdings SA 5.500%, (5.500% to 2-19-25, then 5 Year Euro Swap Rate + 5.774%), 02/19/2030	100,000	107,867
<b>Ireland - 0.1%</b>		
Ardagh Packaging Finance PLC 2.125%, 08/15/2026	140,000	137,353

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Italy - 0.5%</b>		
Assicurazioni Generali SpA 2.429%, 07/14/2031	EUR 600,000	\$ 577,339
Intesa Sanpaolo SpA 7.800%, 11/28/2053 (D)	\$ 200,000	219,594
Telecom Italia Capital SA 6.375%, 11/15/2033	5,000	4,891
		801,824
<b>Japan - 0.1%</b>		
Rakuten Group, Inc. 4.250%, (4.250% to 4-22-27, then 5 Year Euro Swap Rate + 4.740% to 4-22-47, then 5 Year Euro Swap Rate + 5.490%), 04/22/2027 (F)	EUR 200,000	146,161
<b>Luxembourg - 0.2%</b>		
Minerva Luxembourg SA 8.875%, 09/13/2033 (D)	\$ 200,000	211,459
Trinseo Materials Operating SCA 5.125%, 04/01/2029 (D)	105,000	42,786
		254,245
<b>Malta - 0.1%</b>		
VistaJet Malta Finance PLC 6.375%, 02/01/2030 (D)(H)	196,000	136,881
<b>Mexico - 0.1%</b>		
Trust Fibra Uno 6.390%, 01/15/2050	200,000	161,294
Unifin Financiera SAB de CV 8.375%, 01/27/2028 (G)	205,000	7,175
		168,469
<b>Netherlands - 0.5%</b>		
Braskem Netherlands Finance BV 7.250%, 02/13/2033	200,000	168,417
8.500%, 01/12/2031 (D)	200,000	186,000
Teva Pharmaceutical Finance Netherlands II BV 4.375%, 05/09/2030	EUR 460,000	475,712
		830,129
<b>Romania - 0.1%</b>		
Banca Transilvania SA 8.875%, (8.875% to 4-27-26, then 1 Year EURIBOR ICE Swap Rate + 5.580%), 04/27/2027	100,000	116,060
<b>Singapore - 0.1%</b>		
Medco Laurel Tree Pte, Ltd. 6.950%, 11/12/2028	\$ 200,000	189,007
Pfizer Investment Enterprises Pte, Ltd. 5.110%, 05/19/2043	20,000	19,929
		208,936
<b>Spain - 0.1%</b>		
CaixaBank SA 5.250%, (5.250% to 3-23-26, then 5 Year Euro Swap Rate + 4.504%), 03/23/2026 (F)	EUR 200,000	204,783
<b>Supranational - 0.1%</b>		
Asian Development Bank 10.477%, 04/30/2040 (C)	ZAR 8,900,000	93,355
<b>Switzerland - 0.4%</b>		
UBS Group AG 1.494%, (1.494% to 8-10-26, then 1 Year CMT + 0.850%), 08/10/2027 (D)	\$ 200,000	180,709

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Switzerland (continued)</b>		
UBS Group AG (continued)		
3.875%, (3.875% to 6-2-26, then 5 Year CMT + 3.098%), 06/02/2026 (D)(F)	\$ 200,000	\$ 178,505
9.250%, (9.250% to 11-13-33, then 5 Year CMT + 4.758%), 11/13/2033 (D)(F)	200,000	221,653
		580,867
<b>United Kingdom - 0.2%</b>		
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 (F)	129,000	122,524
WE Soda Investments Holding PLC		
9.500%, 10/06/2028 (D)	200,000	205,960
		328,484
<b>United States - 9.7%</b>		
AbbVie, Inc.		
4.250%, 11/21/2049	15,000	13,367
4.400%, 11/06/2042	15,000	13,908
4.550%, 03/15/2035	20,000	19,613
Acrisure LLC		
7.000%, 11/15/2025 (D)	90,000	89,786
Adams Homes, Inc.		
7.500%, 02/15/2025 (D)	4,000	3,954
9.250%, 10/15/2028 (D)	65,000	65,918
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)(F)	142,000	121,738
Alliant Holdings Intermediate LLC		
6.750%, 10/15/2027 (D)	144,000	143,491
American Electric Power Company, Inc.		
3.875%, (3.875% to 2-15-27, then 5 Year CMT + 2.675%), 02/15/2062	165,000	138,481
American Express Company		
3.550%, (3.550% to 9-15-26, then 5 Year CMT + 2.854%), 09/15/2026 (F)	94,000	80,586
American International Group, Inc.		
4.500%, 07/16/2044	35,000	31,574
AmeriGas Partners LP		
5.750%, 05/20/2027	107,000	104,060
Ameriprise Financial, Inc.		
5.700%, 12/15/2028	25,000	26,197
Amgen, Inc.		
2.450%, 02/21/2030	35,000	31,038
5.600%, 03/02/2043	5,000	5,167
Anheuser-Busch Companies LLC		
4.900%, 02/01/2046	17,000	16,664
Anheuser-Busch InBev Worldwide, Inc.		
4.600%, 04/15/2048	5,000	4,732
5.450%, 01/23/2039	20,000	21,083
Antero Resources Corp.		
5.375%, 03/01/2030 (D)	70,000	67,092
Apple, Inc.		
2.650%, 05/11/2050	22,000	15,143
Ares Finance Company III LLC		
4.125%, (4.125% to 6-30-26, then 5 Year CMT + 3.237%), 06/30/2051 (D)	120,000	101,695
Aretex Group, Inc.		
10.000%, 08/15/2030 (D)	90,000	95,639

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Arizona Public Service Company		
2.200%, 12/15/2031	\$ 15,000	\$ 12,186
4.200%, 08/15/2048	15,000	11,991
4.350%, 11/15/2045	5,000	4,204
AssuredPartners, Inc.		
5.625%, 01/15/2029 (D)	143,000	133,497
AT&T, Inc.		
2.300%, 06/01/2027	32,000	29,702
3.500%, 06/01/2041 to 09/15/2053	40,000	30,054
3.650%, 09/15/2059	20,000	14,334
5.400%, 02/15/2034	10,000	10,313
Athene Global Funding		
0.914%, 08/19/2024 (D)	40,000	38,743
1.000%, 04/16/2024 (D)	20,000	19,689
Athene Holding, Ltd.		
5.875%, 01/15/2034	20,000	20,183
Bank of America Corp.		
5.202%, (5.202% to 4-25-28, then Overnight SOFR + 1.630%), 04/25/2029	30,000	30,186
5.288%, (5.288% to 4-25-33, then Overnight SOFR + 1.910%), 04/25/2034	45,000	45,104
Bayer US Finance LLC		
6.500%, 11/21/2033 (D)	265,000	273,855
6.875%, 11/21/2053 (D)	200,000	213,000
BCPE Ulysses Intermediate, Inc.		
7.750%, (7.750% Cash or 8.500% PIK), 04/01/2027 (D)	94,000	87,610
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (D)	490,000	463,664
Bread Financial Holdings, Inc.		
9.750%, 03/15/2029 (D)	185,000	191,785
Broadcom Corp.		
3.875%, 01/15/2027	74,000	72,217
Broadcom, Inc.		
3.137%, 11/15/2035 (D)	2,000	1,642
3.187%, 11/15/2036 (D)	2,000	1,621
Caesars Entertainment, Inc.		
7.000%, 02/15/2030 (D)	40,000	41,017
Capital One Financial Corp.		
6.312%, (6.312% to 6-8-28, then Overnight SOFR + 2.640%), 06/08/2029	15,000	15,389
CCO Holdings LLC		
5.375%, 06/01/2029 (D)	251,000	236,589
Celanese US Holdings LLC		
6.379%, 07/15/2032	30,000	31,713
6.550%, 11/15/2030	40,000	42,285
Charter Communications Operating LLC		
3.700%, 04/01/2051	40,000	26,017
Cheniere Energy Partners LP		
3.250%, 01/31/2032	50,000	42,602
Citigroup, Inc.		
4.000%, (4.000% to 12-10-25, then 5 Year CMT + 3.597%), 12/10/2025 (F)	165,000	151,868
Citizens Financial Group, Inc.		
5.650%, (5.650% to 10-6-25, then 5 Year CMT + 5.313%), 10/06/2025 (F)	86,000	81,585
Clear Channel Outdoor Holdings, Inc.		
9.000%, 09/15/2028 (D)	115,000	119,998
Clydesdale Acquisition Holdings, Inc.		
8.750%, 04/15/2030 (D)	175,000	163,164

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
CMS Energy Corp. 3.750%, (3.750% to 12-1-30, then 5 Year CMT + 2.900%), 12/01/2050	\$ 103,000	\$ 81,306
4.750%, (4.750% to 6-1-30, then 5 Year CMT + 4.116%), 06/01/2050	247,000	223,024
CoBank ACB 6.250%, (6.250% to 10-1-26, then 3 month LIBOR + 4.660%), 10/01/2026 (F)	41,000	39,461
Columbia Pipelines Operating Company LLC 6.497%, 08/15/2043 (D)	20,000	21,419
Comcast Corp. 2.800%, 01/15/2051	12,000	7,997
3.750%, 04/01/2040	42,000	36,128
Community Health Systems, Inc. 8.000%, 12/15/2027 (D)	90,000	86,857
Conagra Brands, Inc. 5.400%, 11/01/2048	20,000	19,367
Consolidated Edison Company of New York, Inc. 5.900%, 11/15/2053	30,000	32,991
Corebridge Financial, Inc. 3.900%, 04/05/2032	30,000	27,119
6.050%, 09/15/2033 (D)	5,000	5,207
Covanta Holding Corp. 4.875%, 12/01/2029 (D)	235,000	205,317
5.000%, 09/01/2030	110,000	93,628
CP Atlas Buyer, Inc. 7.000%, 12/01/2028 (D)	145,000	126,227
Credit Acceptance Corp. 9.250%, 12/15/2028 (D)	125,000	133,244
CSC Holdings LLC 4.500%, 11/15/2031 (D)	200,000	151,215
4.625%, 12/01/2030 (D)	200,000	120,424
Cushman & Wakefield US Borrower LLC 8.875%, 09/01/2031 (D)	20,000	21,195
CVS Health Corp. 2.625%, 08/15/2024	20,000	19,624
5.125%, 07/20/2045	30,000	28,383
Discover Financial Services 6.125%, (6.125% to 9-23-25, then 5 Year CMT + 5.783%), 06/23/2025 (F)	104,000	100,487
Discovery Communications LLC 5.000%, 09/20/2037	22,000	19,621
DISH DBS Corp. 5.125%, 06/01/2029	10,000	5,154
5.750%, 12/01/2028 (D)	26,000	20,738
Dominion Energy, Inc. 4.350%, (4.350% to 4-15-27, then 5 Year CMT + 3.195%), 01/15/2027 (F)	102,000	90,445
4.650%, (4.650% to 12-15-24, then 5 Year CMT + 2.993%), 12/15/2024 (F)	45,000	42,765
4.850%, 08/15/2052	20,000	18,387
Duke Energy Corp. 4.875%, (4.875% to 9-16-24, then 5 Year CMT + 3.388%), 09/16/2024 (F)	42,000	41,353
Edison International 5.375%, (5.375% to 3-15-26, then 5 Year CMT + 4.698%), 03/15/2026 (F)	162,000	153,219
6.950%, 11/15/2029	50,000	54,261

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Edison International (continued) 7.875%, (7.875% to 6-15-29, then 5 Year CMT + 3.658%), 06/15/2054	\$ 130,000	\$ 130,975
Emera US Finance LP 4.750%, 06/15/2046	20,000	16,454
Energy Transfer LP 4.200%, 04/15/2027	15,000	14,572
6.400%, 12/01/2030	25,000	26,730
6.550%, 12/01/2033	10,000	10,853
EnLink Midstream LLC 5.625%, 01/15/2028 (D)	75,000	74,151
EnLink Midstream Partners LP 5.450%, 06/01/2047	106,000	92,485
EQM Midstream Partners LP 4.750%, 01/15/2031 (D)	90,000	83,758
Equitable Financial Life Global Funding 1.800%, 03/08/2028 (D)	50,000	43,796
Fifth Third Bancorp 4.500%, (4.500% to 9-30-25, then 5 Year CMT + 4.215%), 09/30/2025 (F)	63,000	58,436
First Student Bidco, Inc. 4.000%, 07/31/2029 (D)	125,000	108,385
FirstCash, Inc. 4.625%, 09/01/2028 (D)	44,000	41,072
5.625%, 01/01/2030 (D)	43,000	41,180
FirstEnergy Corp. 5.100%, 07/15/2047	25,000	22,887
7.375%, 11/15/2031	15,000	17,696
Freedom Mortgage Corp. 7.625%, 05/01/2026 (D)	92,000	90,799
12.000%, 10/01/2028 (D)	20,000	21,843
12.250%, 10/01/2030 (D)	70,000	76,843
Frontier Communications Holdings LLC 6.750%, 05/01/2029 (D)(H)	218,000	194,936
General Motors Financial Company, Inc. 5.700%, (5.700% to 9-30-30, then 5 Year CMT + 4.997%), 09/30/2030 (F)	110,000	101,584
Georgia Power Company 4.300%, 03/15/2042	30,000	26,523
5.125%, 05/15/2052	15,000	14,839
Gilead Sciences, Inc. 2.800%, 10/01/2050	20,000	13,804
Glencore Funding LLC 6.125%, 10/06/2028 (D)	30,000	31,428
6.500%, 10/06/2033 (D)	25,000	27,255
Global Atlantic Fin Company 4.700%, (4.700% to 10-15-26, then 5 Year CMT + 3.796%), 10/15/2051 (D)	132,000	113,136
7.950%, 06/15/2033 (D)	37,000	41,006
Great Lakes Dredge & Dock Corp. 5.250%, 06/01/2029 (D)(H)	400,000	340,084
GTCR AP Finance, Inc. 8.000%, 05/15/2027 (D)	70,000	70,704
Hanesbrands, Inc. 9.000%, 02/15/2031 (D)(H)	240,000	235,091
Hawaiian Brand Intellectual Property, Ltd. 5.750%, 01/20/2026 (D)	20,802	19,598
HCA, Inc. 3.500%, 09/01/2030	40,000	36,261
4.625%, 03/15/2052	15,000	12,756
HEICO Corp. 5.350%, 08/01/2033	35,000	35,831

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Hightower Holding LLC 6.750%, 04/15/2029 (D)	\$ 160,000	\$ 144,205
Highwoods Realty LP 3.050%, 02/15/2030	15,000	12,393
4.125%, 03/15/2028	18,000	16,576
HUB International, Ltd. 5.625%, 12/01/2029 (D)	125,000	119,246
Humana, Inc. 5.500%, 03/15/2053	68,000	70,579
5.750%, 12/01/2028	30,000	31,358
Huntington Bancshares, Inc. 4.443%, (4.443% to 8-4-27, then Overnight SOFR + 1.970%), 08/04/2028	25,000	24,232
4.450%, (4.450% to 10-15-27, then 7 Year CMT + 4.045%), 10/15/2027 (F)	51,000	44,726
6.208%, (6.208% to 8-21-28, then Overnight SOFR + 2.020%), 08/21/2029	20,000	20,623
Intel Corp. 3.050%, 08/12/2051	40,000	28,167
Intercontinental Exchange, Inc. 1.850%, 09/15/2032	20,000	15,995
4.600%, 03/15/2033	10,000	9,942
International Flavors & Fragrances, Inc. 2.300%, 11/01/2030 (D)	50,000	41,344
3.468%, 12/01/2050 (D)	35,000	23,887
Iron Mountain, Inc. 7.000%, 02/15/2029 (D)	160,000	164,460
Jacobs Entertainment, Inc. 6.750%, 02/15/2029 (D)	15,000	14,100
JBS USA LUX SA 7.250%, 11/15/2053 (D)	15,000	16,300
Jones Lang LaSalle, Inc. 6.875%, 12/01/2028	30,000	31,749
JPMorgan Chase & Co. 2.522%, (2.522% to 4-22-30, then Overnight SOFR + 2.040%), 04/22/2031	30,000	25,942
4.323%, (4.323% to 4-26-27, then Overnight SOFR + 1.560%), 04/26/2028	45,000	44,331
6.087%, (6.087% to 10-23-28, then Overnight SOFR + 1.570%), 10/23/2029	60,000	63,085
Kilroy Realty LP 2.500%, 11/15/2032	15,000	11,359
Kyndryl Holdings, Inc. 3.150%, 10/15/2031	65,000	54,312
4.100%, 10/15/2041	60,000	45,039
LBM Acquisition LLC 6.250%, 01/15/2029 (D)	43,000	38,397
LFS Topco LLC 5.875%, 10/15/2026 (D)	95,000	87,317
Liberty Mutual Group, Inc. 4.125%, (4.125% to 12-15-26, then 5 Year CMT + 3.315%), 12/15/2051 (D)	149,000	124,847
4.300%, 02/01/2061 (D)	275,000	180,357
Lowe's Companies, Inc. 4.250%, 04/01/2052	25,000	21,165
5.625%, 04/15/2053	10,000	10,484
LXP Industrial Trust 6.750%, 11/15/2028	15,000	15,760

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
M&T Bank Corp. 4.553%, (4.553% to 8-16-27, then SOFR Compounded Index + 1.780%), 08/16/2028	\$ 40,000	\$ 38,534
5.053%, (5.053% to 1-27-33, then Overnight SOFR + 1.850%), 01/27/2034	5,000	4,738
5.125%, (5.125% to 11-1-26, then 3 month LIBOR + 3.520%), 11/01/2026 (F)	117,000	101,068
7.413%, (7.413% to 10-30-28, then Overnight SOFR + 2.800%), 10/30/2029	25,000	26,891
MajorDrive Holdings IV LLC 6.375%, 06/01/2029 (D)	48,000	41,334
Medline Borrower LP 5.250%, 10/01/2029 (D)	190,000	179,090
Merck & Company, Inc. 5.150%, 05/17/2063	10,000	10,426
Meta Platforms, Inc. 3.850%, 08/15/2032	20,000	19,023
5.600%, 05/15/2053	30,000	32,515
Micron Technology, Inc. 4.185%, 02/15/2027	30,000	29,425
5.875%, 09/15/2033	10,000	10,401
Midcap Financial Issuer Trust 6.500%, 05/01/2028 (D)	200,000	187,100
Monongahela Power Company 5.850%, 02/15/2034 (D)	20,000	20,985
Morgan Stanley 3.622%, (3.622% to 4-1-30, then Overnight SOFR + 3.120%), 04/01/2031	42,000	38,692
MSCI, Inc. 3.625%, 09/01/2030 (D)	105,000	95,003
Nabors Industries, Inc. 9.125%, 01/31/2030 (D)	65,000	65,264
Nationstar Mortgage Holdings, Inc. 5.125%, 12/15/2030 (D)	110,000	99,455
NextEra Energy Capital Holdings, Inc. 3.800%, (3.800% to 3-15-27, then 5 Year CMT + 2.547%), 03/15/2082	165,000	139,759
NextEra Energy Operating Partners LP 7.250%, 01/15/2029 (D)	45,000	47,111
Nordstrom, Inc. 2.300%, 04/08/2024	35,000	34,522
Occidental Petroleum Corp. 4.500%, 07/15/2044	60,000	46,650
6.600%, 03/15/2046	20,000	21,655
OneMain Finance Corp. 9.000%, 01/15/2029	78,000	82,464
ONEOK, Inc. 5.800%, 11/01/2030	30,000	31,189
6.350%, 01/15/2031	20,000	21,360
6.625%, 09/01/2053	15,000	16,787
Open Text Holdings, Inc. 4.125%, 12/01/2031 (D)	138,000	121,974
Oracle Corp. 3.600%, 04/01/2050	55,000	40,739
6.250%, 11/09/2032	25,000	27,197
Ovintiv, Inc. 5.650%, 05/15/2025	25,000	25,108
Pacific Gas & Electric Company 4.550%, 07/01/2030	25,000	23,809
4.950%, 07/01/2050	53,000	45,272

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Pacific Gas &		
Electric Company (continued) 6.700%, 04/01/2053	\$ 94,000	\$ 101,990
Paramount Global		
5.850%, 09/01/2043	15,000	13,501
5.900%, 10/15/2040	15,000	13,560
6.250%, (6.250% to 2-28-27, then 3 month LIBOR + 3.899%), 02/28/2057	9,000	7,882
6.375%, (6.375% to 3-30-27, then 5 Year CMT + 3.999% to 3-30-32, then 5 Year CMT + 4.249% to 3-30-47, then 5 Year CMT + 4.999%), 03/30/2062	115,000	103,500
Patterson-UTI Energy, Inc. 3.950%, 02/01/2028	30,000	27,943
PennyMac Financial Services, Inc.		
5.750%, 09/15/2031 (D)	48,000	44,423
7.875%, 12/15/2029 (D)	15,000	15,441
Penske Truck Leasing Company LP		
5.750%, 05/24/2026 (D)	10,000	10,079
6.050%, 08/01/2028 (D)	15,000	15,547
Performance Food Group, Inc.		
4.250%, 08/01/2029 (D)	182,000	166,929
Philip Morris International, Inc.		
5.125%, 02/15/2030	20,000	20,326
6.375%, 05/16/2038	15,000	16,784
Post Holdings, Inc.		
5.500%, 12/15/2029 (D)	98,000	94,430
Presidio Holdings, Inc.		
8.250%, 02/01/2028 (D)	63,000	63,648
Puget Energy, Inc.		
4.224%, 03/15/2032	30,000	27,138
Qualcomm, Inc.		
4.500%, 05/20/2052	20,000	18,676
Range Resources Corp.		
4.750%, 02/15/2030 (D)	15,000	13,866
8.250%, 01/15/2029	45,000	46,574
Regions Financial Corp.		
1.800%, 08/12/2028	25,000	21,415
Royalty Pharma PLC		
2.200%, 09/02/2030	25,000	21,012
3.300%, 09/02/2040	21,000	15,774
3.350%, 09/02/2051	25,000	16,904
RTX Corp.		
2.150%, 05/18/2030	EUR 190,000	192,175
Sempra		
4.125%, (4.125% to 4-1-27, then 5 Year CMT + 2.868%), 04/01/2052	\$ 441,000	378,452
4.875%, (4.875% to 10-15-25, then 5 Year CMT + 4.550%), 10/15/2025 (F)	84,000	82,174
Southern California Edison Company		
4.875%, 03/01/2049	15,000	13,743
Southwest Gas Corp.		
2.200%, 06/15/2030	30,000	25,532
4.050%, 03/15/2032	10,000	9,370
Spirit AeroSystems, Inc.		
9.750%, 11/15/2030 (D)	55,000	59,124
STL Holding Company LLC		
7.500%, 02/15/2026 (D)	110,000	106,832
Tapestry, Inc.		
7.000%, 11/27/2026	20,000	20,734
7.700%, 11/27/2030	30,000	31,581

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Targa Resources Partners LP		
6.875%, 01/15/2029	\$ 40,000	\$ 41,308
Terex Corp.		
5.000%, 05/15/2029 (D)	88,000	82,940
The Allstate Corp.		
6.500%, (6.500% to 5-15-37, then 3 month LIBOR + 2.120%), 05/15/2057	67,000	66,579
The Bank of New York Mellon Corp.		
3.700%, (3.700% to 3-20-26, then 5 Year CMT + 3.352%), 03/20/2026 (F)	46,000	43,089
The Boeing Company		
3.250%, 02/01/2035	40,000	33,735
3.950%, 08/01/2059	25,000	19,127
The Charles Schwab Corp.		
2.450%, 03/03/2027	10,000	9,309
4.000%, (4.000% to 6-1-26, then 5 Year CMT + 3.168%), 06/01/2026 (F)	38,000	33,496
5.853%, (5.853% to 5-19-33, then Overnight SOFR + 2.500%), 05/19/2034	20,000	20,645
6.196%, (6.196% to 11-17-28, then Overnight SOFR + 1.878%), 11/17/2029	30,000	31,459
The Goldman Sachs Group, Inc.		
1.948%, (1.948% to 10-21-26, then Overnight SOFR + 0.913%), 10/21/2027	30,000	27,445
2.600%, 02/07/2030	35,000	30,756
4.482%, (4.482% to 8-23-27, then Overnight SOFR + 1.725%), 08/23/2028	32,000	31,435
4.950%, (4.950% to 2-10-25, then 5 Year CMT + 3.224%), 02/10/2025 (F)	88,000	84,029
The Hertz Corp.		
5.000%, 12/01/2029 (D)	205,000	168,163
The Michaels Companies, Inc.		
5.250%, 05/01/2028 (D)	100,000	79,058
7.875%, 05/01/2029 (D)	113,000	71,144
The Southern Company		
4.000%, (4.000% to 1-15-26, then 5 Year CMT + 3.733%), 01/15/2051	131,000	124,560
The Toledo Hospital		
5.750%, 11/15/2038	85,000	84,429
T-Mobile USA, Inc.		
3.000%, 02/15/2041	20,000	14,967
4.750%, 02/01/2028	20,000	19,927
6.000%, 06/15/2054	15,000	16,450
Uber Technologies, Inc.		
4.500%, 08/15/2029 (D)	209,000	199,379
UL Solutions, Inc.		
6.500%, 10/20/2028 (D)	25,000	26,286
UnitedHealth Group, Inc.		
2.000%, 05/15/2030	40,000	34,572
3.750%, 10/15/2047	27,000	22,235
Unum Group		
4.125%, 06/15/2051	45,000	33,591
Verizon Communications, Inc.		
2.100%, 03/22/2028	37,000	33,470
3.400%, 03/22/2041	22,000	17,513
Viking Cruises, Ltd.		
7.000%, 02/15/2029 (D)	90,000	89,226
9.125%, 07/15/2031 (D)	85,000	90,576

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Virginia Electric & Power Company 6.000%, 05/15/2037	\$ 5,000	\$ 5,375
Vital Energy, Inc. 9.750%, 10/15/2030	90,000	93,300
WarnerMedia Holdings, Inc. 3.788%, 03/15/2025	30,000	29,398
5.050%, 03/15/2042	37,000	32,618
5.141%, 03/15/2052	6,000	5,150
Wells Fargo & Company 3.900%, (3.900% to 3-15-26, then 5 Year CMT + 3.453%), 03/15/2026 (F)	129,000	119,190
4.611%, (4.611% to 4-25-52, then Overnight SOFR + 2.130%), 04/25/2053	15,000	13,485
4.808%, (4.808% to 7-25-27, then Overnight SOFR + 1.980%), 07/25/2028	20,000	19,853
5.389%, (5.389% to 4-24-33, then Overnight SOFR + 2.020%), 04/24/2034	50,000	50,217
5.574%, (5.574% to 7-25-28, then Overnight SOFR + 1.740%), 07/25/2029	15,000	15,316
Western Midstream Operating LP 4.050%, 02/01/2030	183,000	171,131
5.450%, 04/01/2044	20,000	18,106
Windsor Holdings III LLC 8.500%, 06/15/2030 (D)	110,000	114,953
		15,646,913
<b>TOTAL CORPORATE BONDS (Cost \$26,175,507)</b>		<b>\$ 26,128,107</b>
<b>CONVERTIBLE BONDS - 5.6%</b>		
<b>Canada - 0.1%</b>		
Shopify, Inc. 0.125%, 11/01/2025	110,000	103,730
<b>China - 0.2%</b>		
NIO, Inc. 0.500%, 02/01/2027 (H)	392,000	358,680
Smart Insight International, Ltd. 4.500%, 12/05/2023 (G)	HKD 2,000,000	23,695
		382,375
<b>Italy - 0.1%</b>		
DiaSorin SpA 4.485%, 05/05/2028 (C)	EUR 100,000	90,981
<b>Luxembourg - 0.0%</b>		
Arrival SA 3.500%, 12/01/2026 (D)(G)	\$ 515,000	5,150
<b>Singapore - 0.2%</b>		
Sea, Ltd. 0.250%, 09/15/2026	498,000	409,605
<b>United States - 5.0%</b>		
3D Systems Corp. 9.841%, 11/15/2026 (C)	28,000	21,294
Affirm Holdings, Inc. 7.153%, 11/15/2026 (C)	90,000	73,575
Airbnb, Inc. 4.924%, 03/15/2026 (C)	130,000	116,753
Alarm.com Holdings, Inc. 5.957%, 01/15/2026 (C)	140,000	124,180
Alliant Energy Corp. 3.875%, 03/15/2026 (D)	315,000	312,638
American Water Capital Corp. 3.625%, 06/15/2026 (D)	315,000	314,528

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CONVERTIBLE BONDS (continued)</b>		
<b>United States (continued)</b>		
Apellis Pharmaceuticals, Inc. 3.500%, 09/15/2026	\$ 60,000	\$ 97,728
Axon Enterprise, Inc. 0.500%, 12/15/2027	46,000	57,983
Bandwidth, Inc. 0.250%, 03/01/2026	47,000	38,836
0.500%, 04/01/2028	90,000	56,385
Bentley Systems, Inc. 0.125%, 01/15/2026	135,000	133,394
Beyond Meat, Inc. 69.491%, 03/15/2027 (C)	130,000	23,400
BILL Holdings, Inc. 5.872%, 04/01/2027 (C)	121,000	100,249
Block, Inc. 0.250%, 11/01/2027	187,000	153,574
Cable One, Inc. 1.125%, 03/15/2028	50,000	37,875
Cardlytics, Inc. 1.000%, 09/15/2025	70,000	43,050
CenterPoint Energy, Inc. 4.250%, 08/15/2026 (D)	315,000	316,418
Ceridian HCM Holding, Inc. 0.250%, 03/15/2026	140,000	125,650
CMS Energy Corp. 3.375%, 05/01/2028 (D)	85,000	84,065
Cracker Barrel Old Country Store, Inc. 0.625%, 06/15/2026	475,000	409,118
Cytokinetics, Inc. 3.500%, 07/01/2027	80,000	140,400
DigitalOcean Holdings, Inc. 6.739%, 12/01/2026 (C)	107,000	88,211
DraftKings Holdings, Inc. 5.323%, 03/15/2028 (C)	95,000	76,143
Dropbox, Inc., Zero Coupon 0.000%, 03/01/2028	130,000	130,813
Duke Energy Corp. 4.125%, 04/15/2026 (D)	395,000	395,988
Enphase Energy, Inc. 2.811%, 03/01/2028 (C)	25,000	22,235
Etsy, Inc. 0.250%, 06/15/2028	165,000	132,099
Euronet Worldwide, Inc. 0.750%, 03/15/2049	42,000	39,270
Exact Sciences Corp. 0.375%, 03/15/2027	115,000	111,263
2.000%, 03/01/2030 (D)	17,000	20,392
FirstEnergy Corp. 4.000%, 05/01/2026 (D)	320,000	316,960
Fluor Corp. 1.125%, 08/15/2029 (D)	18,000	19,575
Health Catalyst, Inc. 2.500%, 04/15/2025	5,000	4,738
JetBlue Airways Corp. 0.500%, 04/01/2026 (H)	390,000	280,797
John Bean Technologies Corp. 0.250%, 05/15/2026	115,000	103,776
Lumentum Holdings, Inc. 0.500%, 06/15/2028	90,000	70,821
MP Materials Corp. 0.250%, 04/01/2026 (D)(H)	345,000	305,981
Nabors Industries, Inc. 0.750%, 01/15/2024	26,000	25,129
NCL Corp., Ltd. 2.500%, 02/15/2027	129,000	120,744

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CONVERTIBLE BONDS (continued)</b>		
<b>United States (continued)</b>		
Nutanix, Inc. 0.250%, 10/01/2027	\$ 40,000	\$ 41,600
NuVasive, Inc. 0.375%, 03/15/2025	95,000	87,400
Okta, Inc. 0.125%, 09/01/2025	100,000	92,050
PAR Technology Corp. 1.500%, 10/15/2027	25,000	22,075
Patrick Industries, Inc. 1.750%, 12/01/2028	42,000	47,670
Pebblebrook Hotel Trust 1.750%, 12/15/2026	65,000	57,889
Pegasystems, Inc. 0.750%, 03/01/2025	122,000	112,667
Rapid7, Inc. 0.250%, 03/15/2027	125,000	112,266
Redfin Corp. 0.500%, 04/01/2027 (H)	115,000	73,819
Repay Holdings Corp. 8.120%, 02/01/2026 (C)(D)	475,000	402,563
Shake Shack, Inc. 5.086%, 03/01/2028 (C)	25,000	20,270
Shift4 Payments, Inc. 0.500%, 08/01/2027	90,000	83,871
Snap, Inc. 0.125%, 03/01/2028	650,000	508,300
Splunk, Inc. 1.125%, 06/15/2027	85,000	82,323
Spotify USA, Inc. 5.883%, 03/15/2026 (C)	140,000	123,200
Stem, Inc. 0.500%, 12/01/2028 (D)	135,000	68,568
Teladoc Health, Inc. 1.250%, 06/01/2027	97,000	79,724
The Greenbrier Companies, Inc. 2.875%, 04/15/2028	115,000	112,815
The Southern Company 3.875%, 12/15/2025 (D)	390,000	390,195
Uber Technologies, Inc. 0.875%, 12/01/2028 (D)	103,000	112,013
Uber Technologies, Inc., Zero Coupon 0.000%, 12/15/2025	130,000	132,192
Unity Software, Inc. 6.553%, 11/15/2026 (C)	110,000	91,410
Ventas Realty LP 3.750%, 06/01/2026 (D)	80,000	84,400
		7,985,308
<b>TOTAL CONVERTIBLE BONDS (Cost \$9,797,869)</b>		<b>\$ 8,977,149</b>
<b>MUNICIPAL BONDS - 0.2%</b>		
<b>United States - 0.2%</b>		
Chicago Transit Authority, Series A (Illinois) 6.899%, 12/01/2040	19,406	22,169
City of New York (New York) 5.828%, 10/01/2053	30,000	33,818
Grand Parkway Transportation Corp. (Texas) 3.236%, 10/01/2052	190,000	142,713
Metropolitan Transportation Authority (New York) 6.668%, 11/15/2039	15,000	16,529
New York City Transitional Finance Authority 4.750%, 02/01/2029	45,000	45,393

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
<b>United States (continued)</b>		
Sales Tax Securitization Corp. (Illinois) 3.238%, 01/01/2042	\$ 25,000	\$ 20,129
State of Illinois, GO 5.100%, 06/01/2033	40,000	39,578
<b>TOTAL MUNICIPAL BONDS (Cost \$374,173)</b>		<b>\$ 320,329</b>
<b>TERM LOANS (I) - 2.3%</b>		
<b>Luxembourg - 0.1%</b>		
Delta 2 Lux Sarl, 2022 Term Loan B (3 month CME Term SOFR + 2.250%) 7.598%, 01/15/2030	140,000	140,263
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month CME Term SOFR + 3.500%) 8.948%, 10/01/2026	97,005	97,421
		237,684
<b>Netherlands - 0.1%</b>		
Boels Topholding BV, 2021 EUR Term Loan B (1 and 3 month EURIBOR + 3.250%) 7.202%, 02/06/2027	EUR 133,621	147,388
<b>Sweden - 0.1%</b>		
Verisure Holding AB, 2020 EUR Term Loan B (3 month EURIBOR + 3.000%) 6.969%, 03/27/2028	155,000	170,652
<b>United States - 2.0%</b>		
Artera Services LLC, Incremental Term Loan (3 month CME Term SOFR + 3.500%) 8.948%, 03/06/2025	\$ 97,500	91,498
Asurion LLC, 2020 Term Loan B8 (1 month CME Term SOFR + 3.250%) 8.720%, 12/23/2026	144,113	143,633
Asurion LLC, 2021 2nd Lien Term Loan B3 (1 month CME Term SOFR + 5.250%) 10.720%, 01/31/2028	245,000	232,953
athenahealth, Inc., 2022 Term Loan B (1 month CME Term SOFR + 3.250%) 8.606%, 02/15/2029	98,361	97,820
Berlin Packaging LLC, 2021 Term Loan B5 (1 and 3 month CME Term SOFR + 3.750%) 9.214%, 03/11/2028	166,175	166,193
Caesars Entertainment, Inc., Term Loan B (1 month CME Term SOFR + 3.250%) 8.706%, 02/06/2030	104,213	104,359
Cinemark USA, Inc., 2023 Term Loan B (1 and 3 month CME Term SOFR + 3.750%) 9.107%, 05/24/2030	124,375	124,251
Emerald Debt Merger Sub LLC, Term Loan B (1 month CME Term SOFR + 3.000%) 8.356%, 05/31/2030	111,555	111,877
Great Outdoors Group LLC, 2021 Term Loan B1 (1 month CME Term SOFR + 3.750%) 9.220%, 03/06/2028	97,017	96,920
Hanesbrands, Inc., 2023 Term Loan B (1 month CME Term SOFR + 3.750%) 9.106%, 03/08/2030	99,250	99,002
HUB International, Ltd., 2023 Term Loan B (3 month CME Term SOFR + 4.250%) 9.662%, 06/20/2030	104,256	104,649
IRB Holding Corp., 2022 Term Loan B (1 month CME Term SOFR + 3.000%) 8.456%, 12/15/2027	195,502	195,641
LBM Acquisition LLC, Term Loan B (1 month CME Term SOFR + 3.750%) 9.106%, 12/17/2027	100,547	99,228



# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (I) (continued)</b>		
<b>United States (continued)</b>		
Medline Borrower LP, USD Term Loan B (1 month CME Term SOFR + 3.000%) 8.470%, 10/23/2028	\$ 101,666	\$ 102,079
MH Sub I LLC, 2023 Term Loan (1 month CME Term SOFR + 4.250%) 9.606%, 05/03/2028	97,989	96,179
NEP Group, Inc., 2018 1st Lien Term Loan 10/20/2025 TBD (J)	90,000	84,787
Oryx Midstream Services Permian Basin LLC, 2023 Incremental Term Loan (1 month CME Term SOFR + 3.250%) 8.710%, 10/05/2028	97,044	97,188
Sedgwick Claims Management Services, Inc., 2023 Term Loan B (1 month CME Term SOFR + 3.750%) 9.106%, 02/24/2028	193,508	193,965
Tecta America Corp., 2021 Term Loan (1 month CME Term SOFR + 4.000%) 9.470%, 04/10/2028	126,750	126,908
The Michaels Companies, Inc., 2021 Term Loan B (3 month CME Term SOFR + 4.250%) 9.860%, 04/15/2028	126,750	104,822
TransDigm, Inc., 2023 Term Loan I (3 month CME Term SOFR + 3.250%) 8.598%, 08/24/2028	165,084	165,703
UFC Holdings LLC, 2021 Term Loan B (3 month CME Term SOFR + 2.750%) 8.399%, 04/29/2026	175,363	175,826
USI, Inc., 2022 Incremental Term Loan (3 month CME Term SOFR + 3.750%) 9.110%, 11/22/2029	199,277	199,433
Windsor Holdings III LLC, USD Term Loan B (1 month CME Term SOFR + 4.500%) 9.841%, 08/01/2030	114,711	115,320
WW International, Inc., 2021 Term Loan B (1 month CME Term SOFR + 3.500%) 8.970%, 04/13/2028	94,500	66,465
		3,196,699
<b>TOTAL TERM LOANS (Cost \$3,794,585)</b>		<b>\$ 3,752,423</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS - 3.7%</b>		
<b>Commercial and residential - 1.3%</b>		
Angel Oak Mortgage Trust, Series 2020-3, Class M1, 3.809%, 04/25/2065 (D)(K)	180,000	163,483
ANTLR Mortgage Trust, Series 2021-RTL1, Class A1, 3.115%, 11/25/2024 (D)	19,950	19,891
<b>BANK</b>		
Series 2020-BN25, Class AS, 2.841%, 01/15/2063	60,000	50,252
Series 2021-BN37, Class XA IO, 0.601%, 11/15/2064	992,201	29,583
Series 2022-BNK42, Class AS, 4.722%, 06/15/2055 (K)	60,000	55,672
<b>BBCMS Mortgage Trust</b> , Series 2023-C20, Class AS, 5.973%, 07/15/2056 (K)	15,000	15,432
<b>Benchmark Mortgage Trust</b> Series 2018-B1, Class AM, 3.878%, 01/15/2051 (K)	85,000	76,155
Series 2019-B10, Class XA IO, 1.194%, 03/15/2062	533,532	26,522
Series 2020-B16, Class AM, 2.944%, 02/15/2053 (K)	60,000	50,721

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
<b>BRAVO Residential Funding Trust</b> Series 2020-NQM1, Class M1, 3.181%, 05/25/2060 (D)(K)	\$ 180,000	\$ 166,042
Series 2021-NQM1, Class M1, 2.316%, 02/25/2049 (D)(K)	100,000	76,568
<b>BX Commercial Mortgage Trust</b> , Series 2020-VKNG, Class F (1 month CME Term SOFR + 2.864%), 8.226%, 10/15/2037 (D)(L)	189,000	183,405
<b>BX Trust</b> Series 2021-ARIA, Class C (1 month CME Term SOFR + 1.760%), 7.122%, 10/15/2036 (D)(L)	25,000	24,153
Series 2021-MFM1, Class D (1 month CME Term SOFR + 1.614%), 6.976%, 01/15/2034 (D)(L)	42,144	41,084
<b>CAMB Commercial Mortgage Trust</b> , Series 2019-LIFE, Class E (1 month CME Term SOFR + 2.197%), 7.809%, 12/15/2037 (D)(L)	120,000	117,585
<b>Citigroup Commercial Mortgage Trust</b> , Series 2023-PRM3, Class A, 6.360%, 07/10/2028 (D)(K)	100,000	102,734
<b>CSMC Trust</b> , Series 2021-NQM6, Class A2, 1.379%, 07/25/2066 (D)(K)	67,646	53,945
<b>GS Mortgage Securities Trust</b> , Series 2017-GS6, Class C, 4.322%, 05/10/2050 (K)	25,000	19,069
<b>LHOME Mortgage Trust</b> , Series 2021-RTL2, Class A1 (2.090% to 1-25-24, then 3.090% thereafter), 2.090%, 06/25/2026 (D)	64,136	63,570
<b>MFA Trust</b> , Series 2023-NQM1, Class A1 (5.750% to 1-1-27, then 6.750% thereafter), 5.750%, 11/25/2067 (D)	88,376	87,889
<b>NYMT Loan Trust I</b> , Series 2021-BPL1, Class A1 (2.239% to 5-25-24, then 4.239% thereafter), 2.239%, 05/25/2026 (D)	130,148	129,073
<b>OBX Trust</b> , Series 2022-NQM5, Class A1 (4.310% to 5-1-26, then 5.310% thereafter), 4.310%, 05/25/2062 (D)	106,450	103,988
<b>PRPM LLC</b> , 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)	100,422	97,816
<b>Ready Capital Mortgage Financing LLC</b> , Series 2021-FL7, Class AS (1 month CME Term SOFR + 1.614%), 6.970%, 11/25/2036 (D)(L)	55,000	53,782
<b>Verus Securitization Trust</b> Series 2020-5, Class M1, 2.601%, 05/25/2065 (D)(K)	100,000	83,863
Series 2020-INV1, Class A3, 3.889%, 03/25/2060 (D)(K)	100,000	96,655
Series 2021-5, Class A1, 1.013%, 09/25/2066 (D)(K)	66,480	54,540
<b>WF-RBS Commercial Mortgage Trust</b> , Series 2011-C4, Class C, 4.979%, 06/15/2044 (D)(K)	53,178	49,489

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
WSTN Trust, Series 2023-MAUI, Class B, 7.018%, 07/05/2037 (D)(K)	\$ 30,000	\$ 29,753
		2,122,714
<b>U.S. Government Agency - 2.4%</b>		
Federal Home Loan Mortgage Corp.		
Series 2020-DNA6, Class B1 (30 day Average SOFR + 3.000%), 8.337%, 12/25/2050 (D)(L)	35,000	36,222
Series 2021-DNA6, Class M2 (30 day Average SOFR + 1.500%), 6.837%, 10/25/2041 (D)(L)	188,000	186,355
Series 2021-HQA1, Class M2 (30 day Average SOFR + 2.250%), 7.587%, 08/25/2033 (D)(L)	163,850	163,382
Series 2021-HQA3, Class M2 (30 day Average SOFR + 2.100%), 7.437%, 09/25/2041 (D)(L)	355,000	350,223
Series 2022-DNA1, Class B1 (30 day Average SOFR + 3.400%), 8.737%, 01/25/2042 (D)(L)	175,000	174,295
Series 2022-DNA3, Class M1B (30 day Average SOFR + 2.900%), 8.237%, 04/25/2042 (D)(L)	60,000	61,607
Series 2022-DNA5, Class M2 (30 day Average SOFR + 6.750%), 12.087%, 06/25/2042 (D)(L)	75,000	83,566
Series 2022-HQA1, Class M1B (30 day Average SOFR + 3.500%), 8.837%, 03/25/2042 (D)(L)	20,000	20,708
Series 2022-HQA1, Class M2 (30 day Average SOFR + 5.250%), 10.587%, 03/25/2042 (D)(L)	560,000	597,184
Series 2022-HQA3, Class M1B (30 day Average SOFR + 3.550%), 8.887%, 08/25/2042 (D)(L)	60,000	62,033
Series 2023-DNA1, Class M2 (30 day Average SOFR + 5.500%), 10.837%, 03/25/2043 (D)(L)	35,000	37,663
Series 2023-DNA2, Class B1 (30 day Average SOFR + 7.600%), 12.937%, 04/25/2043 (D)(L)	20,000	21,790
Series 2023-HQA2, Class M1B (30 day Average SOFR + 3.350%), 8.687%, 06/25/2043 (D)(L)	50,000	52,770
Series 324, Class C18 IO, 4.000%, 12/15/2033	196,635	19,912
Series 4446, Class BI IO, 6.500%, 04/15/2039	78,717	14,809
Series 4898, Class SA IO, 0.647%, 07/15/2049	476,330	39,548
Series 4954, Class SL IO, 0.598%, 02/25/2050	1,319,788	150,210
Series 4999, Class KS IO, 0.698%, 12/25/2042	369,190	31,258
Series 4999, Class PS IO, 0.498%, 03/25/2044	473,463	36,338
Series K103, Class X1 IO, 0.639%, 11/25/2029	1,019,636	31,756
Series K106, Class X3 IO, 1.908%, 03/25/2048	490,000	45,122
Series K122, Class X1 IO, 0.879%, 11/25/2030	99,184	4,682

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan		
Mortgage Corp. (continued)		
Series K129, Class X3 IO, 3.163%, 05/25/2031	\$ 165,000	\$ 29,688
Series K737, Class X1 IO, 0.631%, 10/25/2026	483,049	6,526
Series K740, Class X3 IO, 2.478%, 11/25/2047	135,000	10,496
Series K742, Class X3 IO, 2.595%, 04/25/2028	100,000	9,070
Series Q014, Class X IO, 2.786%, 10/25/2055	152,739	20,083
Federal National Mortgage Association		
Series 2016-88, Class SK IO, 0.548%, 12/25/2046	378,562	40,533
Series 2018-C05, Class 1B1 (30 day Average SOFR + 4.364%), 9.702%, 01/25/2031 (L)	230,000	249,075
Series 2019-25, Class SA IO, 0.598%, 06/25/2049	1,623,884	194,913
Series 2019-50, Class S IO, 0.598%, 09/25/2049	951,917	107,339
Series 2019-68, Class SC IO, 0.548%, 11/25/2049	318,168	33,911
Series 2021-67, Class IG IO, 3.000%, 10/25/2051	132,015	21,185
Series 2022-R02, Class 2B1 (30 day Average SOFR + 4.500%), 9.837%, 01/25/2042 (D)(L)	175,000	180,158
Series 2022-R03, Class 1B1 (30 day Average SOFR + 6.250%), 11.587%, 03/25/2042 (D)(L)	69,000	75,645
Series 2022-R03, Class 1M2 (30 day Average SOFR + 3.500%), 8.837%, 03/25/2042 (D)(L)	59,000	61,641
Series 2022-R04, Class 1B1 (30 day Average SOFR + 5.250%), 10.587%, 03/25/2042 (D)(L)	165,000	175,798
Series 2022-R05, Class 2B1 (30 day Average SOFR + 4.500%), 9.837%, 04/25/2042 (D)(L)	70,000	72,020
Series 2023-R01, Class 1B1 (30 day Average SOFR + 5.100%), 10.437%, 12/25/2042 (D)(L)	20,000	21,367
Series 2023-R02, Class 1M2 (30 day Average SOFR + 3.350%), 8.687%, 01/25/2043 (D)(L)	40,000	41,908
Series 2023-R03, Class 2M2 (30 day Average SOFR + 3.900%), 9.237%, 04/25/2043 (D)(L)	35,000	37,502
Series 2023-R05, Class 1M2 (30 day Average SOFR + 3.100%), 8.437%, 06/25/2043 (D)(L)	36,000	37,594
Series 2023-R06, Class 1B1 (30 day Average SOFR + 3.900%), 9.237%, 07/25/2043 (D)(L)	20,000	20,394
Series 2023-R08, Class 1B1 (30 day Average SOFR + 3.550%), 8.887%, 10/25/2043 (D)(L)	35,000	35,467
Series 410, Class C8 IO, 4.000%, 04/25/2032	115,349	11,246
Series 437, Class C8 IO, 2.500%, 06/25/2052	122,472	18,318

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National Mortgage Association Series 2015-62, Class CI IO, 4.500%, 05/20/2045	\$ 127,798	\$ 24,574
Series 2017-130, Class IO, 4.500%, 02/20/2040	131,340	22,041
Series 2018-168, Class AI IO, 5.000%, 12/16/2048	109,491	19,962
		3,799,887
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$5,834,016)		\$ 5,922,601
<b>ASSET BACKED SECURITIES - 3.0%</b>		
Arbor Realty Commercial Real Estate Notes, Ltd., Series 2021-FL3, Class B (1 month CME Term SOFR + 1.714%), 7.076%, 08/15/2034 (D)(L)	110,000	106,223
Avis Budget Rental Car Funding AESOP LLC, Series 2023-8A, Class A, 6.020%, 02/20/2030 (D)	100,000	102,959
Bain Capital Credit CLO, Ltd., Series 2020-5A, Class E (3 month CME Term SOFR + 7.162%), 12.577%, 01/20/2032 (D)(L)	250,000	249,965
Benefit Street Partners CLO XIX, Ltd., Series 2019-19A, Class E (3 month CME Term SOFR + 7.282%), 12.675%, 01/15/2033 (D)(L)	250,000	249,074
BlueMountain CLO, Ltd., Series 2018-2A, Class D (3 month CME Term SOFR + 3.412%), 8.791%, 08/15/2031 (D)(L)	250,000	238,820
Bojangles Issuer LLC, Series 2020-1A, Class A2, 3.832%, 10/20/2050 (D)	122,813	114,754
BSPT Issuer, Ltd., Series 2023-FL10, Class A (1 month CME Term SOFR + 2.259%), 7.621%, 09/15/2035 (D)(L)	100,000	100,000
Carvana Auto Receivables Trust, Series 2023-P3, Class A4, 5.710%, 07/10/2029 (D)	10,000	10,167
CoreVest American Finance Trust, Series 2020-4, Class B, 1.707%, 12/15/2052 (D)	100,000	90,829
Domino's Pizza Master Issuer LLC Series 2019-1A, Class A2, 3.668%, 10/25/2049 (D)	48,125	43,906
Series 2021-1A, Class A2II, 3.151%, 04/25/2051 (D)	58,500	50,150
Exeter Automobile Receivables Trust Series 2023-1A, Class D, 6.690%, 06/15/2029	40,000	40,296
Series 2023-4A, Class C, 6.510%, 08/15/2028	50,000	50,582
Flagship Credit Auto Trust, Series 2021-3, Class D, 1.650%, 09/15/2027 (D)	112,000	100,282
Ford Credit Auto Owner Trust, Series 2023-2, Class C, 6.160%, 02/15/2036 (D)	100,000	102,056

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
GLS Auto Receivables Issuer Trust Series 2023-1A, Class C, 6.380%, 12/15/2028 (D)	\$ 32,000	\$ 32,267
Series 2023-3A, Class D, 6.440%, 05/15/2029 (D)	30,000	30,104
Greystone Commercial Real Estate Notes, Ltd., Series 2021-FL3, Class B (1 month CME Term SOFR + 1.764%), 7.126%, 07/15/2039 (D)(L)	100,000	96,418
Hertz Vehicle Financing LLC Series 2021-2A, Class B, 2.120%, 12/27/2027 (D)	100,000	90,325
Series 2022-2A, Class C, 2.950%, 06/26/2028 (D)	100,000	89,309
Series 2022-2A, Class B, 2.650%, 06/26/2028 (D)	100,000	90,421
Series 2023-4A, Class A, 6.150%, 03/25/2030 (D)	100,000	103,627
Home Partners of America Trust, Series 2022-1, Class D, 4.730%, 04/17/2039 (D)	149,111	138,326
Horizon Aircraft Finance II, Ltd., Series 2019-1, Class A, 3.721%, 07/15/2039 (D)	171,994	151,695
Lendbuzz Securitization Trust, Series 2021-1A, Class A, 1.460%, 06/15/2026 (D)	56,982	55,147
MAPS Trust, Series 2021-1A, Class A, 2.521%, 06/15/2046 (D)	113,606	99,822
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)	50,923	50,211
New Economy Assets Phase 1 Sponsor LLC, Series 2021-1, Class A1, 1.910%, 10/20/2061 (D)	120,000	105,011
Octagon Investment Partners 49, Ltd., Series 2020-5A, Class D (3 month CME Term SOFR + 3.662%), 9.055%, 01/15/2033 (D)(L)	250,000	249,266
OZLM VII, Ltd., Series 2014-7RA, Class CR (3 month CME Term SOFR + 3.262%), 8.664%, 07/17/2029 (D)(L)	250,000	249,796
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	167,851
Progress Residential Trust Series 2021-SFR2, Class D, 2.197%, 04/19/2038 (D)	100,000	90,321
Series 2022-SFR1, Class E1, 3.930%, 02/17/2041 (D)	150,000	129,917
Series 2022-SFR4, Class C, 4.888%, 05/17/2041 (D)	100,000	94,742
Stratus CLO, Ltd., Series 2021-1A, Class D (3 month CME Term SOFR + 2.762%), 8.177%, 12/29/2029 (D)(L)	250,000	248,830
Symphony CLO XXII, Ltd., Series 2020-22A, Class C (3 month CME Term SOFR + 2.412%), 7.807%, 04/18/2033 (D)(L)	250,000	248,249

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Texas Natural Gas Securitization Finance Corp., Series 2023-1, Class A2, 5.169%, 04/01/2041	\$ 50,000	\$ 51,669
TRTX Issuer, Ltd., Series 2019-FL3, Class D (1 month CME Term SOFR + 2.564%), 7.926%, 10/15/2034 (D)(L)	100,000	95,332
Vericrest Opportunity Loan Transferee 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)	47,426	46,108
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)	142,146	134,398
Voya CLO, Ltd., Series 2013-3A, Class BRR (3 month CME Term SOFR + 2.511%), 7.906%, 10/18/2031 (D)(L)	250,000	245,363
<b>TOTAL ASSET BACKED SECURITIES (Cost \$4,958,044)</b>		<b>\$ 4,834,588</b>
<b>COMMON STOCKS - 0.0%</b>		
<b>United Kingdom - 0.0%</b>		
Endeavour Mining PLC	1,012	22,737
<b>TOTAL COMMON STOCKS (Cost \$79,464)</b>		<b>\$ 22,737</b>
<b>PREFERRED SECURITIES - 0.6%</b>		
<b>United States - 0.6%</b>		
AGNC Investment Corp., 7.750% (7.750% to 10-15-27, then 5 Year CMT + 4.390%)	10,000	216,200
AGNC Investment Corp., 6.125% (6.125% to 4-15-25, then 3 month LIBOR + 4.697%)	10,000	217,600
AT&T, Inc., 5.000%	4,025	84,485
Athene Holding, Ltd., 6.375% (6.375% to 9-30-25, then 5 Year CMT + 5.970%)	2,995	72,539
Bank of America Corp., 7.250%	87	104,859
JPMorgan Chase & Co., 4.200%	2,000	38,020
Morgan Stanley, 4.250%	4,250	81,048
SCE Trust VII, 7.500%	3,100	80,848
Wells Fargo & Company, 7.500%	110	131,518
		1,027,117
<b>TOTAL PREFERRED SECURITIES (Cost \$994,705)</b>		<b>\$ 1,027,117</b>
<b>SHORT-TERM INVESTMENTS - 10.3%</b>		
<b>Short-term funds - 10.3%</b>		
John Hancock Collateral Trust, 5.3645% (M)(N)	189,122	1,891,256
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (M)	14,691,207	14,691,207
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$16,582,497)</b>		<b>\$ 16,582,463</b>
<b>Total Investments (Opportunistic Fixed Income Trust) (Cost \$195,599,399) - 119.2%</b>		<b>\$ 192,111,636</b>
<b>Other assets and liabilities, net - (19.2%)</b>		<b>(30,968,505)</b>
<b>TOTAL NET ASSETS - 100.0%</b>		<b>\$ 161,143,131</b>
<b>SALE COMMITMENTS OUTSTANDING - (2.6%)</b>		
<b>U.S. Government Agency - (2.6)%</b>		
Federal National Mortgage Association 3.500%, TBA (B)	\$ (140,000)	\$ (128,516)
4.000%, TBA (B)	(499,000)	(471,730)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>SALE COMMITMENTS OUTSTANDING (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National Mortgage Association (continued) 4.000%, TBA (B)	(631,000)	(597,182)
4.500%, TBA (B)	(55,000)	(53,359)
4.500%, TBA (B)	(1,042,000)	(1,036,382)
6.000%, TBA (B)	(996,000)	(1,011,874)
Government National Mortgage Association 4.500%, TBA (B)	\$ (970,000)	(946,980)
<b>TOTAL SALE COMMITMENTS OUTSTANDING (Proceeds received \$4,190,994)</b>		<b>\$ (4,246,023)</b>
<b>Currency Abbreviations</b>		
AUD	Australian Dollar	
BRL	Brazilian Real	
CAD	Canadian Dollar	
CLP	Chilean Peso	
COP	Colombian Peso	
CZK	Czech Republic Koruna	
DOP	Dominican Republic Peso	
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	
NOK	Norwegian Krone	
NZD	New Zealand Dollar	
PEN	Peruvian Nuevo Sol	
PLN	Polish Zloty	
RON	Romanian New Leu	
SEK	Swedish Krona	
THB	Thai Bhat	
TRY	Turkish Lira	
UYU	Uruguayan Peso	
ZAR	South African Rand	
<b>Security Abbreviations and Legend</b>		
CME	CME Group Published Rates	
CMT	Constant Maturity Treasury	
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.	

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

- (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.
- (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 \$29,517,254 or 18.3% of the fund's net assets as of 12-31-23.
- (E) Non-income producing security.
- (F) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
- (G) Non-income producing - Issuer is in default.
- (H) All or a portion of this security is on loan as of 12-31-23.
- (I) Term loans are variable rate obligations. The rate shown represents the rate at period end.
- (J) 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).

## Opportunistic Fixed Income Trust (continued)

- (K) 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.
- (L) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (M) The rate shown is the annualized seven-day yield as of 12-31-23.
- (N) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
- \* Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
10-Year Australian Treasury Bond Futures	61	Long	Mar 2024	\$4,742,503	\$4,851,483	\$108,980
10-Year U.S. Treasury Note Futures	149	Long	Mar 2024	16,479,361	16,820,703	341,342
2-Year U.S. Treasury Note Futures	157	Long	Mar 2024	32,018,262	32,328,508	310,246
5-Year Canada Government Bond Futures	10	Long	Mar 2024	836,035	850,458	14,423
5-Year U.S. Treasury Note Futures	210	Long	Mar 2024	22,555,508	22,842,421	286,913
Euro SCHATZ Futures	2	Long	Mar 2024	234,597	235,241	644
Ultra 10-Year U.S. Treasury Note Futures	2	Long	Mar 2024	225,483	236,031	10,548
10-Year Canada Government Bond Futures	29	Short	Mar 2024	(2,661,632)	(2,717,799)	(56,167)
10-Year Japan Government Bond Futures	7	Short	Mar 2024	(7,265,669)	(7,283,475)	(17,806)
Euro-BTP Italian Government Bond Futures	26	Short	Mar 2024	(3,325,320)	(3,419,927)	(94,607)
Euro-Buxl Futures	30	Short	Mar 2024	(4,407,259)	(4,693,215)	(285,956)
Euro-OAT Futures	11	Short	Mar 2024	(1,553,777)	(1,596,985)	(43,208)
German Euro BOBL Futures	3	Short	Mar 2024	(390,984)	(395,038)	(4,054)
German Euro BUND Futures	1	Short	Mar 2024	(147,641)	(151,484)	(3,843)
U.S. Treasury Long Bond Futures	24	Short	Mar 2024	(2,779,268)	(2,998,500)	(219,232)
Ultra U.S. Treasury Bond Futures	3	Short	Mar 2024	(396,620)	(400,781)	(4,161)
						<b>\$344,062</b>

<sup>^</sup> 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 65,000	USD 44,612	CITI	1/31/2024	—	\$(278)
AUD 1,886,000	USD 1,277,744	GSI	1/31/2024	\$8,628	—
BRL 41,069,000	USD 8,388,276	GSI	1/3/2024	66,309	—
BRL 41,069,000	USD 8,483,052	MSI	1/3/2024	—	(28,465)
BRL 1,254,000	USD 253,092	GSI	3/4/2024	3,505	—
BRL 375,000	USD 76,671	HSBC	3/4/2024	62	—
BRL 69,000	USD 13,930	MSI	3/4/2024	189	—
CAD 2,365,000	USD 1,774,253	BARC	1/31/2024	11,318	—
CAD 1,372,000	USD 1,033,209	MSI	1/31/2024	2,649	—
CAD 115,000	USD 84,823	BARC	3/20/2024	2,057	—
CLP 193,277,000	USD 223,718	CITI	1/31/2024	—	(4,725)
CNY 1,149,000	USD 160,690	GSI	3/20/2024	1,418	—
COP 3,018,305,000	USD 757,595	JPM	1/31/2024	16,851	—
COP 336,587,000	USD 83,438	SSB	3/20/2024	2,093	—
CZK 560,000	USD 24,977	CITI	3/20/2024	13	—
EUR 1,168,000	USD 1,280,419	BARC	1/31/2024	10,407	—
EUR 105,000	USD 116,881	CITI	1/31/2024	—	(839)

# John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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
EUR	91,000	USD	100,297	BOA	3/20/2024	\$471	—
EUR	240,000	USD	260,028	CITI	3/20/2024	5,735	—
EUR	64,000	USD	69,063	GSI	3/20/2024	1,807	—
EUR	87,000	USD	95,060	MSI	3/20/2024	1,279	—
GBP	2,022,000	USD	2,565,803	BARC	1/31/2024	11,932	—
GBP	41,000	USD	52,169	JPM	3/20/2024	111	—
HUF	659,789,000	USD	1,882,315	MSI	1/31/2024	12,176	—
HUF	44,500,000	USD	127,789	BOA	3/20/2024	—	\$(609)
HUF	50,465,000	USD	144,285	GSI	3/20/2024	—	(57)
HUF	16,200,000	USD	46,577	JPM	3/20/2024	—	(277)
HUF	11,500,000	USD	32,919	MSI	3/20/2024	—	(52)
IDR	27,555,537,000	USD	1,774,857	SCB	1/31/2024	15,178	—
IDR	1,911,000,000	USD	123,466	DB	3/20/2024	640	—
IDR	469,000,000	USD	30,399	GSI	3/20/2024	59	—
IDR	7,935,389,000	USD	505,922	JPM	3/20/2024	9,425	—
IDR	1,765,000,000	USD	114,376	MSI	3/20/2024	249	—
INR	10,355,000	USD	123,841	DB	3/20/2024	159	—
INR	11,167,000	USD	133,593	GSI	3/20/2024	131	—
INR	4,990,000	USD	59,915	JPM	3/20/2024	—	(160)
JPY	71,957,000	USD	507,456	BARC	1/31/2024	4,963	—
JPY	940,824,000	USD	6,552,483	MSI	1/31/2024	147,305	—
KRW	2,421,230,000	USD	1,855,932	JPM	1/31/2024	16,106	—
KZT	12,800,000	USD	27,509	BOA	2/7/2024	351	—
KZT	10,900,000	USD	23,406	BOA	2/9/2024	307	—
KZT	23,500,000	USD	49,370	GSI	2/14/2024	1,689	—
MXN	5,570,000	USD	320,982	BARC	1/24/2024	5,941	—
MXN	5,570,000	USD	320,493	MSI	1/24/2024	6,430	—
MXN	7,780,000	USD	444,448	CITI	3/13/2024	8,552	—
MXN	960,000	USD	54,316	BARC	3/20/2024	1,517	—
MXN	1,260,000	USD	73,577	CITI	3/20/2024	—	(297)
MXN	550,000	USD	31,980	HSBC	3/20/2024	8	—
MXN	9,710,000	USD	550,142	MSI	5/6/2024	10,152	—
MXN	11,140,000	USD	620,890	GSI	7/24/2024	13,462	—
MXN	3,345,000	USD	183,137	CITI	9/13/2024	5,734	—
MXN	4,435,000	USD	240,405	HSBC	9/13/2024	10,011	—
MXN	9,710,000	USD	508,963	CITI	11/6/2024	34,590	—
MYR	1,855,000	USD	398,282	HSBC	3/20/2024	8,555	—
NOK	37,388,000	USD	3,654,728	CITI	1/31/2024	27,759	—
NZD	2,065,000	USD	1,294,691	MSI	1/31/2024	10,838	—
NZD	140,000	USD	85,665	GSI	3/20/2024	2,853	—
NZD	170,000	USD	106,868	JPM	3/20/2024	619	—
PHP	9,540,000	USD	171,668	JPM	3/20/2024	645	—
PLN	2,867,000	USD	731,191	BARC	1/31/2024	—	(2,813)
PLN	3,960,000	USD	1,006,306	GSI	3/20/2024	—	(935)
RON	1,164,000	USD	256,326	BOA	3/20/2024	1,709	—
RON	205,000	USD	45,491	GSI	3/20/2024	—	(46)
SEK	17,270,000	USD	1,695,048	BARC	1/31/2024	19,121	—
SGD	105,000	USD	79,805	BARC	3/20/2024	37	—
THB	32,833,000	USD	925,499	BARC	3/20/2024	42,820	—
THB	1,490,000	USD	42,896	GSI	3/20/2024	1,047	—
TRY	3,701,000	USD	122,264	BARC	1/31/2024	55	—
TRY	4,439,000	USD	139,941	BARC	3/20/2024	203	—
TRY	9,440,000	USD	300,177	GSI	3/20/2024	—	(2,145)
USD	3,744,482	AUD	5,527,000	GSI	1/31/2024	—	(25,285)
USD	52,645	AUD	80,000	JPM	3/20/2024	—	(1,997)
USD	8,483,052	BRL	41,069,000	GSI	1/3/2024	28,464	—
USD	8,345,661	BRL	41,069,000	MSI	1/3/2024	—	(108,925)
USD	8,352,960	BRL	41,069,000	GSI	2/2/2024	—	(87,915)
USD	85,233	BRL	415,000	CITI	3/4/2024	315	—
USD	426,701	BRL	2,104,000	GSI	3/4/2024	—	(3,825)
USD	5,291,251	CAD	7,053,000	BARC	1/31/2024	—	(33,753)
USD	136,519	CAD	185,000	BARC	3/20/2024	—	(3,246)
USD	1,910,594	CHF	1,648,000	CITI	1/31/2024	—	(54,370)
USD	12,590	CLP	11,150,000	BOA	3/20/2024	—	(11)
USD	12,727	CLP	11,150,000	HSBC	3/20/2024	126	—
USD	780,689	CNY	5,565,000	HSBC	1/31/2024	—	(1,731)

# John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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	201,710	COP	820,595,000	CITI	3/20/2024	—	\$(6,813)
USD	53,506	COP	215,200,000	GSI	3/20/2024	—	(1,179)
USD	103,864	COP	413,700,000	SSB	3/20/2024	—	(1,263)
USD	679,896	CZK	15,238,000	MSI	1/31/2024	—	(864)
USD	161,782	CZK	3,624,000	HSBC	3/20/2024	\$62	—
USD	53,544	CZK	1,220,000	MSI	3/20/2024	—	(898)
USD	84,445	EUR	77,000	GSI	1/9/2024	—	(579)
USD	8,489,779	EUR	7,744,386	BARC	1/31/2024	—	(69,005)
USD	758,893	EUR	687,000	BARC	3/20/2024	—	(1,853)
USD	50,427	EUR	46,000	GSI	3/20/2024	—	(511)
USD	29,886	EUR	27,000	MSI	3/20/2024	—	(12)
USD	697,036	GBP	549,000	BARC	1/31/2024	—	(2,853)
USD	157,740	GBP	124,000	CITI	1/31/2024	—	(341)
USD	163,319	GBP	128,000	GSI	3/20/2024	102	—
USD	259,770	HKD	2,026,000	BARC	1/31/2024	151	—
USD	69,689	HUF	25,100,000	GSI	3/20/2024	—	(2,047)
USD	52,580	HUF	18,800,000	JPM	3/20/2024	—	(1,150)
USD	821,026	INR	68,366,000	CITI	1/31/2024	518	—
USD	492,865	JPY	70,767,000	MSI	1/31/2024	—	(11,080)
USD	3,804,565	KRW	4,963,397,000	JPM	1/31/2024	—	(33,017)
USD	26,029	KZT	12,800,000	GSI	2/7/2024	—	(1,830)
USD	22,154	KZT	10,900,000	GSI	2/9/2024	—	(1,558)
USD	50,107	KZT	23,500,000	BOA	2/14/2024	—	(953)
USD	640,083	MXN	11,140,000	GSI	1/24/2024	—	(13,763)
USD	1,215,164	MXN	20,884,000	JPM	1/31/2024	—	(9,212)
USD	188,930	MXN	3,345,000	CITI	3/13/2024	—	(5,837)
USD	247,973	MXN	4,435,000	HSBC	3/13/2024	—	(10,260)
USD	500,876	MXN	8,867,000	BOA	3/20/2024	—	(14,823)
USD	500,579	MXN	8,867,000	BARC	3/20/2024	—	(15,120)
USD	37,278	MXN	640,000	GSI	3/20/2024	56	—
USD	74,083	MXN	1,300,000	JPM	3/20/2024	—	(1,524)
USD	524,581	MXN	9,710,000	CITI	5/6/2024	—	(35,712)
USD	311,478	MXN	5,570,000	BARC	7/24/2024	—	(5,698)
USD	310,991	MXN	5,570,000	MSI	7/24/2024	—	(6,185)
USD	431,367	MXN	7,780,000	CITI	9/13/2024	—	(7,921)
USD	534,308	MXN	9,710,000	MSI	11/6/2024	—	(9,247)
USD	4,479,550	NOK	45,999,000	CITI	1/31/2024	—	(51,068)
USD	1,313,823	NZD	2,065,000	BARC	1/31/2024	8,294	—
USD	7,005,752	NZD	11,174,000	MSI	1/31/2024	—	(58,646)
USD	189,574	NZD	310,000	MSI	3/20/2024	—	(6,432)
USD	200,181	PEN	754,000	BOA	3/20/2024	—	(3,152)
USD	64,961	PEN	245,000	CITI	3/20/2024	—	(1,109)
USD	66,693	PEN	251,000	DB	3/20/2024	—	(995)
USD	1,443,042	PHP	80,731,000	BARC	1/31/2024	—	(15,143)
USD	156,339	PHP	8,710,000	BOA	3/20/2024	—	(982)
USD	50,955	PHP	2,840,000	JPM	3/20/2024	—	(341)
USD	955,773	PLN	3,786,000	MSI	1/31/2024	—	(6,083)
USD	84,703	PLN	335,000	BOA	3/20/2024	—	(347)
USD	48,454	PLN	195,000	BARC	3/20/2024	—	(1,052)
USD	117,224	RON	541,000	CITI	3/20/2024	—	(2,704)
USD	3,750,110	SEK	38,208,000	BARC	1/31/2024	—	(42,302)
USD	3,061,258	SEK	30,624,000	CITI	1/31/2024	21,611	—
USD	1,888,826	SGD	2,513,000	MSI	1/31/2024	—	(17,794)
USD	16,408	THB	560,000	BARC	3/20/2024	—	(108)
USD	71,604	TRY	2,156,000	GSI	1/31/2024	348	—
USD	209,706	TRY	6,638,000	GSI	3/20/2024	137	—
USD	34,708	UYU	1,362,000	CITI	1/16/2024	117	—
USD	87,897	UYU	3,406,000	DB	1/16/2024	1,396	—
USD	52,462	UYU	2,044,000	HSBC	1/16/2024	551	—
USD	88,162	UYU	3,545,000	HSBC	4/15/2024	334	—
USD	88,647	UYU	3,545,000	CITI	5/13/2024	1,254	—
USD	1,570,967	ZAR	29,232,000	HSBC	1/31/2024	—	(23,333)
USD	60,855	ZAR	1,118,000	BARC	3/20/2024	144	—
USD	114,704	ZAR	2,210,000	GSI	3/20/2024	—	(5,306)
USD	25,893	ZAR	480,000	HSBC	3/20/2024	—	(173)

# John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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
ZAR 1,080,000	USD 58,545	MSI	3/20/2024	\$102	—
				<b>\$632,312</b>	<b>\$(872,934)</b>

### 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	6,855,000	CAD	OID	Fixed 4.500%	Semi-Annual	Semi-Annual	Sep 2025	\$(2,831)	\$37,933	\$35,102
Centrally cleared	52,320,000	MXN	MXN TIIE Banxico	Fixed 7.840%	Monthly	Monthly	Mar 2027	1,598	(105,072)	(103,474)
Centrally cleared	8,500,000	NZD	NZD BBR FRA	Fixed 2.660%	Semi-Annual	Quarterly	Mar 2027	(13,729)	(217,626)	(231,355)
Centrally cleared	6,540,000	NZD	NZD BBR FRA	Fixed 2.750%	Semi-Annual	Quarterly	Mar 2027	4,571	(170,465)	(165,894)
Centrally cleared	39,115,000	MXN	MXN TIIE Banxico	Fixed 8.840%	Monthly	Monthly	Jun 2028	(2,653)	15,324	12,671
Centrally cleared	55,310,000	MXN	MXN TIIE Banxico	Fixed 9.053%	Monthly	Monthly	Jun 2028	—	44,047	44,047
Centrally cleared	4,000,000	AUD	AUD BBR BBSW	Fixed 4.190%	Semi-Annual	Semi-Annual	Sep 2028	(546)	31,310	30,764
Centrally cleared	24,530,000	CNY	Fixed 2.445%	CNY CNREPOFIX Reuters	Quarterly	Quarterly	Sep 2028	—	(29,626)	(29,626)
Centrally cleared	9,355,000	CNY	Fixed 2.468%	CNY CNREPOFIX Reuters	Quarterly	Quarterly	Sep 2028	—	(12,641)	(12,641)
Centrally cleared	15,265,000	CNY	Fixed 2.467%	CNY CNREPOFIX Reuters	Quarterly	Quarterly	Sep 2028	—	(20,502)	(20,502)
Centrally cleared	12,020,000	CNY	Fixed 2.400%	CNY CNREPOFIX Reuters	Quarterly	Quarterly	Sep 2028	—	(11,336)	(11,336)
Centrally cleared	12,025,000	CNY	Fixed 2.362%	CNY CNREPOFIX Reuters	Quarterly	Quarterly	Sep 2028	—	(8,447)	(8,447)
CAD CORRA Compounded										
Centrally cleared	2,360,000	CAD	OID	Fixed 3.910%	Semi-Annual	Semi-Annual	Dec 2028	(443)	63,519	63,076
Centrally cleared	6,320,000	PLN	Fixed 4.309%	PLN WIBOR WIBO	Annual	Semi-Annual	Dec 2028	—	6,849	6,849
Centrally cleared	5,100,000	PLN	Fixed 4.398%	PLN WIBOR WIBO	Annual	Semi-Annual	Dec 2028	—	450	450
Centrally cleared	17,445,000	MXN	MXN TIIE Banxico	Fixed 6.940%	Monthly	Monthly	Sep 2031	(241)	(90,631)	(90,872)
Centrally cleared	16,930,000	MXN	MXN TIIE Banxico	Fixed 8.852%	Monthly	Monthly	Dec 2033	—	25,874	25,874
Centrally cleared	3,620,000	ILS	Fixed 3.850%	ILS TELBOR Reuters	Annual	Quarterly	Mar 2034	—	(12,276)	(12,276)
Centrally cleared	3,585,000	ILS	Fixed 3.905%	ILS TELBOR Reuters	Annual	Quarterly	Mar 2034	—	(16,637)	(16,637)
Centrally cleared	1,212,830,000	KRW	Fixed 3.493%	KRW CD KSDA Bloomberg	Quarterly	Quarterly	Mar 2034	—	(43,446)	(43,446)
Centrally cleared	1,212,830,000	KRW	Fixed 3.460%	KRW CD KSDA Bloomberg	Quarterly	Quarterly	Mar 2034	—	(40,737)	(40,737)
CAD CORRA Compounded										
Centrally cleared	645,000	CAD	Fixed 3.873%	OID	Semi-Annual	Semi-Annual	Dec 2053	—	(86,353)	(86,353)
CAD CORRA Compounded										
Centrally cleared	645,000	CAD	Fixed 3.866%	OID	Semi-Annual	Semi-Annual	Dec 2053	—	(85,689)	(85,689)
								<b>\$(14,274)</b>	<b>\$(726,178)</b>	<b>\$(740,452)</b>

#### 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	\$21,215	\$(26,576)	\$(5,361)
BARC	Federative Republic of Brazil	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	12,744	(5,981)	6,763
BARC	Republic of Chile	1,445,000	USD	1,445,000	1.000%	Quarterly	Dec 2028	(23,637)	(10,102)	(33,739)
BARC	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	22,420	(10,381)	12,039
BARC	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	21,110	(9,071)	12,039
BARC	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	20,598	(8,559)	12,039
BARC	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	21,139	(9,100)	12,039
BARC	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Jun 2024	13,855	(1,816)	12,039
BARC	Republic of Indonesia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(3,031)	(3,844)	(6,875)
BARC	Republic of Indonesia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(5,794)	(1,081)	(6,875)
BARC	United Mexican States	535,000	USD	535,000	1.000%	Quarterly	Dec 2028	1,043	(4,114)	(3,071)
BARC	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	327	(3,197)	(2,870)
BARC	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Jun 2024	(2,774)	(96)	(2,870)
BOA	Federative Republic of Brazil	2,345,000	USD	2,345,000	1.000%	Quarterly	Dec 2027	119,953	(123,585)	(3,632)
BOA	Federative Republic of Brazil	620,000	USD	620,000	1.000%	Quarterly	Dec 2027	31,814	(32,774)	(960)
BOA	Republic of South Africa	580,000	USD	580,000	1.000%	Quarterly	Dec 2028	37,548	(11,791)	25,757



# John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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
BOA	Republic of South Africa Federative Republic of	1,650,000	USD	1,650,000	1.000%	Quarterly	Dec 2028	\$100,155	\$(26,880)	\$73,275
CITI	Brazil	485,000	USD	485,000	1.000%	Quarterly	Dec 2027	25,277	(26,028)	(751)
GSI	Government of Malaysia	2,075,000	USD	2,075,000	1.000%	Quarterly	Dec 2028	(49,554)	(6,644)	(56,198)
GSI	Government of Malaysia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(12,908)	(634)	(13,542)
GSI	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	17,114	(5,075)	12,039
GSI	Republic of Indonesia	1,145,000	USD	1,145,000	1.000%	Quarterly	Dec 2028	(5,944)	(9,800)	(15,744)
GSI	Republic of Indonesia	1,540,000	USD	1,540,000	1.000%	Quarterly	Dec 2028	(16,522)	(4,653)	(21,175)
GSI	Republic of Indonesia	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(5,378)	(1,497)	(6,875)
GSI	Republic of South Africa Republic of the	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	31,493	(9,289)	22,204
GSI	Philippines	800,000	USD	800,000	1.000%	Quarterly	Dec 2028	(7,295)	(6,523)	(13,818)
GSI	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	542	(3,412)	(2,870)
JPM	Republic of South Africa	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	31,399	(9,195)	22,204
JPM	Republic of South Africa	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	28,778	(6,574)	22,204
MSI	Government of Japan Federative Republic of	9,570,000	USD	9,570,000	1.000%	Quarterly	Dec 2024	(67,804)	(23,441)	(91,245)
MSI	Brazil	2,495,000	USD	2,495,000	1.000%	Quarterly	Dec 2028	72,783	(39,033)	33,750
MSI	People's Republic of									
MSI	China	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(9,173)	(115)	(9,288)
MSI	Republic of Chile	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(8,625)	(3,049)	(11,674)
MSI	Republic of Colombia	10,000	USD	10,000	1.000%	Quarterly	Dec 2028	486	(245)	241
MSI	Republic of Peru	2,890,000	USD	2,890,000	1.000%	Quarterly	Dec 2028	(26,685)	(13,349)	(40,034)
MSI	Republic of South Africa	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	29,907	(7,703)	22,204
MSI	Republic of South Africa	500,000	USD	500,000	1.000%	Quarterly	Jun 2024	23,259	(1,055)	22,204
MSI	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(218)	(2,652)	(2,870)
MSI	United Mexican States	1,550,000	USD	1,550,000	1.000%	Quarterly	Dec 2028	(1,694)	(7,203)	(8,897)
MSI	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Dec 2028	(1,097)	(1,773)	(2,870)
				<b>\$41,820,000</b>				<b>\$436,826</b>	<b>\$(477,890)</b>	<b>\$(41,064)</b>
Centrally cleared	CDX.EM.40	24,060,000	USD	24,060,000	1.000%	Quarterly	Dec 2028	1,146,483	(454,258)	692,225
Centrally cleared	CDX.EM.IG.40	3,090,000	USD	3,090,000	1.000%	Quarterly	Dec 2028	(40,542)	(5,930)	(46,472)
Centrally cleared	CDX.NA.HY.41	1,445,400	USD	1,445,400	5.000%	Quarterly	Dec 2028	(62,608)	(24,333)	(86,941)
Centrally cleared	CDX.NA.IG.41	14,770,000	USD	14,770,000	1.000%	Quarterly	Dec 2028	(238,756)	(53,983)	(292,739)
Centrally cleared	iTraxx Europe Crossover Series 40 Version 1	1,380,000	EUR	1,506,507	5.000%	Quarterly	Dec 2028	(75,763)	(47,655)	(123,418)
Centrally cleared	iTraxx Europe Senior Financials Series 40 Version 1	3,870,000	EUR	4,210,543	1.000%	Quarterly	Dec 2028	(41,611)	(24,911)	(66,522)
Centrally cleared	iTraxx Europe Series 40 Version 1	2,840,000	EUR	3,099,797	1.000%	Quarterly	Dec 2028	(49,772)	(12,294)	(62,066)
Centrally cleared	iTraxx Europe Sub Financials Series 40 Version 1	2,445,000	EUR	2,649,029	1.000%	Quarterly	Dec 2028	54,577	(27,712)	26,865
				<b>\$54,831,276</b>				<b>\$692,008</b>	<b>\$(651,076)</b>	<b>\$40,932</b>
				<b>\$96,651,276</b>				<b>\$1,128,834</b>	<b>\$(1,128,966)</b>	<b>\$(132)</b>

### 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
BOA	Anglo American Capital PLC	1.498%	260,000	EUR	\$284,869	5.000%	Quarterly	Dec 2028	\$44,546	\$1,569	\$46,115
BOA	Anglo American Capital PLC	1.498%	260,000	EUR	285,675	5.000%	Quarterly	Dec 2028	44,325	1,790	46,115
GSI	CMBX.NA.BBB-.14	7.355%	25,000	USD	25,000	3.000%	Monthly	Dec 2072	(4,109)	(880)	(4,989)
					<b>\$595,544</b>				<b>\$84,762</b>	<b>\$2,479</b>	<b>\$87,241</b>
Centrally cleared	CDX.NA.HY.41	3.559%	277,200	USD	277,200	5.000%	Quarterly	Dec 2028	9,248	7,426	16,674
					<b>\$277,200</b>				<b>\$9,248</b>	<b>\$7,426</b>	<b>\$16,674</b>
					<b>\$872,744</b>				<b>\$94,010</b>	<b>\$9,905</b>	<b>\$103,915</b>

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

### Total return swaps

Pay/ receive	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 Leveraged Loan Index	1-Day USD Compounded SOFR	At Maturity	USD	1,375,000	Dec 2028	GSI	—	\$(15,978)	\$(15,978)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	3,450,000	Jun 2024	JPM	—	(81,284)	(81,284)
Pay	iBoxx \$ Liquid Investment Grade Index	1-Day USD Compounded SOFR	At Maturity	USD	3,890,000	Jun 2024	JPM	—	(126,639)	(126,639)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	1,560,000	Mar 2024	MSI	—	(97,254)	(97,254)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	2,420,000	Mar 2024	MSI	—	(201,625)	(201,625)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	6,110,000	Dec 2028	MSI	—	(148,984)	(148,984)
Pay	iBoxx \$ Liquid Leveraged Loan Index	1-Day USD Compounded SOFR	At Maturity	USD	1,225,000	Dec 2028	MSI	—	(14,235)	(14,235)
								—	<b>\$(685,999)</b>	<b>\$(685,999)</b>

\* 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. The total return of the reference asset is paid out at maturity while the floating rate is paid on a quarterly basis until maturity.

### 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	—	\$(16,616)	\$(16,616)
BARC	2,990,000	USD	2,990,000	Fixed 3.243%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	—	(16,728)	(16,728)
BARC	5,640,000	USD	5,640,000	Fixed 3.147%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	—	(4,455)	(4,455)
BOA	500,000	USD	500,000	Fixed 1.635%	Consumers USA CPI All Urban	At Maturity	At Maturity	Feb 2050	—	123,914	123,914
CITI	440,000	USD	440,000	Fixed 3.257%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	\$(38)	(2,745)	(2,783)
CITI	780,000	USD	780,000	Fixed 2.578%	Consumers USA CPI All Urban	At Maturity	At Maturity	Feb 2051	—	27,482	27,482
JPM	1,700,000	USD	1,700,000	Fixed 1.830%	Consumers USA CPI All Urban	At Maturity	At Maturity	Feb 2050	(38,544)	389,671	351,127
			<b>\$15,020,000</b>						<b>\$(38,582)</b>	<b>\$500,523</b>	<b>\$461,941</b>

# John Hancock Variable Insurance Trust

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

## Opportunistic Fixed Income Trust (continued)

### 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
EUR	Euro
GBP	Pound Sterling
HKD	Hong Kong Dollar
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
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

### 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.
CNREPOFIX	China Fixing Repo Rate
CORRA	Canadian Overnight Repo Rate Average
CPI	Consumer Price Index
DB	Deutsche Bank AG
GSI	Goldman Sachs International
HSBC	HSBC Bank PLC
JPM	JPMorgan Chase Bank, N.A.
KSDA	Korea Securities Dealers Association
MSI	Morgan Stanley & Co. International PLC
OIS	Overnight Index Swap
OTC	Over-the-counter
SCB	Standard Chartered Bank
SOFR	Secured Overnight Financing Rate
SSB	State Street Bank and Trust Company
TELBOR	Tel Aviv Interbank Offered Rate
TIIE	Tasa de Interes Interbancario de Equilibrio (Interbank Equilibrium Interest Rate)
WIBOR	Warsaw Interbank Offered Rate

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

# John Hancock Variable Insurance Trust

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

## Select Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 56.4%</b>		
<b>U.S. Government – 21.4%</b>		
U.S. Treasury Bonds		
2.250%, 02/15/2052	\$ 31,952,000	\$ 22,149,226
2.500%, 02/15/2045	83,239,000	63,030,782
3.000%, 08/15/2052	67,582,000	55,266,765
3.375%, 08/15/2042 to 11/15/2048	48,236,000	42,360,809
4.000%, 11/15/2042	230,551,000	224,057,748
4.125%, 08/15/2053	188,045,000	190,072,360
4.750%, 11/15/2043	181,298,000	194,470,433
U.S. Treasury Notes		
4.375%, 11/30/2028 to 11/30/2030	397,145,000	407,941,108
4.500%, 11/15/2033	85,683,000	89,953,762
		1,289,302,993
<b>U.S. Government Agency – 35.0%</b>		
Federal Home Loan Mortgage Corp.		
2.000%, 06/01/2036 to 03/01/2052	73,929,215	62,242,317
2.500%, 08/01/2051 to 12/01/2051	37,074,348	31,960,858
3.000%, 03/01/2043 to 12/01/2049	86,691,378	78,518,264
3.500%, 04/01/2044 to 04/01/2052	107,879,550	100,386,535
4.000%, 08/01/2037 to 05/01/2052	48,480,327	47,435,597
4.000%, 05/01/2052 to 04/01/2053 (A)	37,727,906	35,767,301
4.500%, 12/01/2037 to 04/01/2053	103,751,265	101,824,908
5.000%, 09/01/2052 to 10/01/2053	163,194,817	162,254,654
5.500%, 09/01/2052 to 07/01/2053	47,717,745	48,453,341
Federal National Mortgage Association		
2.000%, 06/01/2036 to 07/01/2051	79,844,980	70,387,652
2.500%, 08/01/2035 to 03/01/2052	228,180,442	199,285,080
3.000%, 03/01/2033 to 02/01/2052	192,278,359	174,024,170
3.500%, 06/01/2042 to 04/01/2052	147,473,676	138,158,522
4.000%, TBA (A)	89,511,000	84,713,730
4.000%, 09/01/2037 to 09/01/2052	323,535,314	312,005,832
4.000%, 06/01/2052 (A)	8,491,656	8,040,611
4.500%, 11/01/2037 to 05/01/2053	206,144,869	202,206,351
5.000%, 09/01/2052 to 06/01/2053	171,603,970	170,693,665
5.500%, 10/01/2052 to 12/01/2052	72,723,677	73,813,016
		2,102,172,404
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS</b> (Cost \$3,490,201,101)		
	\$	\$ 3,391,475,397
<b>CORPORATE BONDS – 30.0%</b>		
<b>Communication services – 1.6%</b>		
Charter Communications Operating LLC		
4.200%, 03/15/2028	12,055,000	11,579,171
5.750%, 04/01/2048	11,676,000	10,362,199
6.384%, 10/23/2035	8,707,000	8,838,421
Netflix, Inc.		
4.875%, 06/15/2030 (B)	9,050,000	9,163,587
Paramount Global		
4.200%, 05/19/2032 (C)	2,003,000	1,787,684
4.375%, 03/15/2043	3,432,000	2,535,581
4.950%, 05/19/2050	8,365,000	6,777,842
T-Mobile USA, Inc.		
3.875%, 04/15/2030	20,308,000	19,258,111
5.650%, 01/15/2053	5,738,000	5,974,253
WarnerMedia Holdings, Inc.		
4.279%, 03/15/2032	5,570,000	5,097,686
5.050%, 03/15/2042	1,660,000	1,463,424
5.141%, 03/15/2052	15,923,000	13,667,598
		96,505,557
<b>Consumer discretionary – 1.8%</b>		
AutoNation, Inc.		
4.750%, 06/01/2030	6,447,000	6,226,779
Booking Holdings, Inc.		
4.625%, 04/13/2030	5,795,000	5,838,359

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Expedia Group, Inc.		
3.800%, 02/15/2028	\$ 13,294,000	\$ 12,815,980
Ford Motor Company		
3.250%, 02/12/2032	8,330,000	6,928,091
Ford Motor Credit Company LLC		
6.800%, 05/12/2028	8,558,000	8,938,407
7.122%, 11/07/2033	4,651,000	5,011,152
General Motors Company		
5.400%, 10/15/2029	8,209,000	8,355,126
General Motors Financial Company, Inc.		
2.400%, 10/15/2028	15,854,000	14,074,281
3.600%, 06/21/2030	19,016,000	17,257,955
Hyundai Capital America		
2.375%, 10/15/2027 (B)	2,708,000	2,438,952
LKQ Corp.		
5.750%, 06/15/2028	2,166,000	2,216,839
Nissan Motor Acceptance Company LLC		
1.850%, 09/16/2026 (B)	6,534,000	5,874,808
2.000%, 03/09/2026 (B)	3,856,000	3,543,352
Tapestry, Inc.		
7.700%, 11/27/2030	3,446,000	3,627,619
7.850%, 11/27/2033	2,757,000	2,941,394
		106,089,094
<b>Consumer staples – 0.7%</b>		
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	6,307,000	6,286,422
JBS USA LUX SA		
3.625%, 01/15/2032	5,127,000	4,395,235
5.125%, 02/01/2028	3,366,000	3,347,323
5.750%, 04/01/2033	9,181,000	9,094,575
Kraft Heinz Foods Company		
4.375%, 06/01/2046	12,433,000	10,851,388
5.000%, 06/04/2042	3,892,000	3,748,972
Pilgrim's Pride Corp.		
6.250%, 07/01/2033	6,510,000	6,698,295
		44,422,210
<b>Energy – 4.0%</b>		
Aker BP ASA		
3.100%, 07/15/2031 (B)	3,211,000	2,746,339
3.750%, 01/15/2030 (B)	2,039,000	1,872,123
4.000%, 01/15/2031 (B)	9,819,000	9,015,790
Cheniere Energy Partners LP		
3.250%, 01/31/2032	14,081,000	11,997,460
4.500%, 10/01/2029	3,497,000	3,344,764
Columbia Pipelines Operating Company LLC		
5.927%, 08/15/2030 (B)	2,291,000	2,368,928
6.036%, 11/15/2033 (B)	3,553,000	3,720,950
Continental Resources, Inc.		
2.875%, 04/01/2032 (B)	4,260,000	3,455,863
4.900%, 06/01/2044	4,244,000	3,429,671
5.750%, 01/15/2031 (B)	4,181,000	4,162,015
Enbridge, Inc.		
5.750%, (5.750% to 7-15-30, then 5 Year CMT + 5.314% to 7-15-50, then 5 Year CMT + 6.064%), 07/15/2080	7,510,000	6,927,975
6.250%, (6.250% to 3-1-28, then 3 month CME Term SOFR + 3.903% to 3-1-48, then 3 month CME Term SOFR + 4.653%), 03/01/2078	8,767,000	8,103,678
8.500%, (8.500% to 1-15-34, then 5 Year CMT + 4.431% to 1-15-54, then 5 Year CMT + 5.181%), 01/15/2084	3,720,000	3,956,763

# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Energy Transfer LP		
4.200%, 04/15/2027	\$ 4,899,000	\$ 4,759,310
5.150%, 03/15/2045	4,125,000	3,782,114
5.250%, 04/15/2029	16,595,000	16,719,136
5.400%, 10/01/2047	8,136,000	7,580,983
5.500%, 06/01/2027	5,267,000	5,331,162
Enterprise Products Operating LLC		
5.250%, (5.250% to 8-16-27, then 3 month CME Term SOFR + 3.295%), 08/16/2077	11,320,000	10,822,018
Kinder Morgan Energy Partners LP		
7.750%, 03/15/2032	3,697,000	4,186,523
MPLX LP		
4.125%, 03/01/2027	1,356,000	1,327,366
4.250%, 12/01/2027	4,887,000	4,780,849
4.950%, 09/01/2032	3,979,000	3,893,409
5.000%, 03/01/2033	4,017,000	3,935,029
Occidental Petroleum Corp.		
6.450%, 09/15/2036	9,319,000	9,859,513
6.625%, 09/01/2030	3,170,000	3,371,327
ONEOK, Inc.		
5.650%, 11/01/2028	2,845,000	2,945,133
6.050%, 09/01/2033	10,670,000	11,305,053
6.625%, 09/01/2053	6,815,000	7,626,921
Ovintiv, Inc.		
5.650%, 05/15/2028	2,243,000	2,288,624
6.250%, 07/15/2033	2,249,000	2,324,947
7.200%, 11/01/2031	1,177,000	1,277,211
Sabine Pass Liquefaction LLC		
4.200%, 03/15/2028	4,128,000	4,040,903
4.500%, 05/15/2030	12,438,000	12,155,234
5.000%, 03/15/2027	6,022,000	6,047,986
Targa Resources Corp.		
4.950%, 04/15/2052	6,464,000	5,670,832
6.150%, 03/01/2029	5,670,000	5,929,105
Targa Resources Partners LP		
4.000%, 01/15/2032	4,769,000	4,354,717
The Williams Companies, Inc.		
4.650%, 08/15/2032	5,495,000	5,356,546
Var Energi ASA		
7.500%, 01/15/2028 (B)	1,397,000	1,480,476
8.000%, 11/15/2032 (B)	12,131,000	13,581,868
Western Midstream Operating LP		
4.050%, 02/01/2030	6,184,000	5,782,908
6.150%, 04/01/2033	1,540,000	1,599,857
		239,219,379
<b>Financials – 9.9%</b>		
Ally Financial, Inc.		
6.992%, (6.992% to 6-13-28, then Overnight SOFR + 3.260%), 06/13/2029	5,910,000	6,103,600
Ares Capital Corp.		
2.150%, 07/15/2026	10,912,000	9,947,089
2.875%, 06/15/2028	6,780,000	6,006,625
3.250%, 07/15/2025	3,689,000	3,534,153
3.875%, 01/15/2026	7,415,000	7,123,237
Athene Holding, Ltd.		
3.500%, 01/15/2031	13,028,000	11,471,073
Banco Santander SA		
4.379%, 04/12/2028	5,040,000	4,895,068
Bank of America Corp.		
2.087%, (2.087% to 6-14-28, then Overnight SOFR + 1.060%), 06/14/2029	11,760,000	10,364,303

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Bank of America Corp. (continued)		
2.592%, (2.592% to 4-29-30, then Overnight SOFR + 2.150%), 04/29/2031	\$ 10,542,000	\$ 9,084,988
2.687%, (2.687% to 4-22-31, then Overnight SOFR + 1.320%), 04/22/2032	17,919,000	15,131,353
3.846%, (3.846% to 3-8-32, then 5 Year CMT + 2.000%), 03/08/2037	8,914,000	7,826,545
3.970%, (3.970% to 3-5-28, then 3 month CME Term SOFR + 1.332%), 03/05/2029	7,807,000	7,456,568
4.271%, (4.271% to 7-23-28, then 3 month CME Term SOFR + 1.572%), 07/23/2029	13,117,000	12,664,322
Blackstone Private Credit Fund		
2.350%, 11/22/2024	7,493,000	7,247,478
2.700%, 01/15/2025	5,893,000	5,684,031
3.250%, 03/15/2027	1,690,000	1,550,315
4.000%, 01/15/2029	8,340,000	7,592,627
7.300%, 11/27/2028 (B)	2,907,000	3,021,910
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	3,204,887
BPCE SA		
4.500%, 03/15/2025 (B)	7,805,000	7,655,535
Cantor Fitzgerald LP		
7.200%, 12/12/2028 (B)	11,195,000	11,475,082
Citigroup, Inc.		
2.561%, (2.561% to 5-1-31, then Overnight SOFR + 1.167%), 05/01/2032	5,665,000	4,726,469
4.600%, 03/09/2026	11,011,000	10,869,271
6.174%, (6.174% to 5-25-33, then Overnight SOFR + 2.661%), 05/25/2034	7,532,000	7,793,927
Citizens Financial Group, Inc.		
3.250%, 04/30/2030	9,801,000	8,608,293
CNA Financial Corp.		
2.050%, 08/15/2030	2,944,000	2,447,859
CNO Financial Group, Inc.		
5.250%, 05/30/2029	8,650,000	8,539,472
Corebridge Financial, Inc.		
6.875%, (6.875% to 12-15-27, then 5 Year CMT + 3.846%), 12/15/2052	1,743,000	1,737,085
Credit Agricole SA		
3.250%, 01/14/2030 (B)	11,547,000	10,192,746
6.316%, (6.316% to 10-3-28, then Overnight SOFR + 1.860%), 10/03/2029 (B)	7,198,000	7,538,899
Deutsche Bank AG		
2.311%, (2.311% to 11-16-26, then Overnight SOFR + 1.219%), 11/16/2027	7,009,000	6,408,968
2.552%, (2.552% to 1-7-27, then Overnight SOFR + 1.318%), 01/07/2028	10,197,000	9,360,100
6.819%, (6.819% to 11-20-28, then Overnight SOFR + 2.510%), 11/20/2029	4,359,000	4,589,349
Discover Financial Services		
4.100%, 02/09/2027	3,143,000	3,016,069
6.700%, 11/29/2032	7,827,000	8,199,092

# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Fifth Third Bancorp 6.339%, (6.339% to 7-27-28, then Overnight SOFR + 2.340%), 07/27/2029	\$ 6,330,000	\$ 6,590,662
Huntington Bancshares, Inc. 6.208%, (6.208% to 8-21-28, then Overnight SOFR + 2.020%), 08/21/2029	4,260,000	4,392,616
ING Groep NV 6.114%, (6.114% to 9-11-33, then Overnight SOFR + 2.090%), 09/11/2034	3,038,000	3,186,153
Jefferies Financial Group, Inc. 5.875%, 07/21/2028	5,365,000	5,501,289
JPMorgan Chase & Co. 2.522%, (2.522% to 4-22-30, then Overnight SOFR + 2.040%), 04/22/2031	11,243,000	9,722,238
2.956%, (2.956% to 5-13-30, then 3 month CME Term SOFR + 2.515%), 05/13/2031	11,196,000	9,838,750
4.600%, (4.600% to 2-1-25, then 3 month CME Term SOFR + 3.125%), 02/01/2025 (D)	7,030,000	6,779,170
Lazard Group LLC 4.375%, 03/11/2029	4,640,000	4,488,484
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	3,235,907
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (B)	5,613,000	4,877,595
MetLife, Inc. 6.400%, (6.400% to 12-15-36, then 3 month LIBOR + 2.205%), 12/15/2036	5,277,000	5,442,012
Morgan Stanley 2.239%, (2.239% to 7-21-31, then Overnight SOFR + 1.178%), 07/21/2032	4,486,000	3,661,660
2.484%, (2.484% to 9-16-31, then Overnight SOFR + 1.360%), 09/16/2036	11,122,000	8,815,158
4.431%, (4.431% to 1-23-29, then 3 month CME Term SOFR + 1.890%), 01/23/2030	1,512,000	1,472,654
5.123%, (5.123% to 2-1-28, then Overnight SOFR + 1.730%), 02/01/2029	2,845,000	2,857,938
5.164%, (5.164% to 4-20-28, then Overnight SOFR + 1.590%), 04/20/2029	8,928,000	8,979,034
5.449%, (5.449% to 7-20-28, then Overnight SOFR + 1.630%), 07/20/2029	4,448,000	4,532,297
National Rural Utilities Cooperative Finance Corp. 5.600%, 11/13/2026	5,314,000	5,453,002
NatWest Group PLC 3.754%, (3.754% to 11-1-24, then 5 Year CMT + 2.100%), 11/01/2029	3,137,000	3,060,027
NatWest Markets PLC 1.600%, 09/29/2026 (B)	11,436,000	10,436,305

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Santander Holdings USA, Inc. 2.490%, (2.490% to 1-6-27, then Overnight SOFR + 1.249%), 01/06/2028	\$ 4,803,000	\$ 4,397,039
3.244%, 10/05/2026	13,364,000	12,587,756
3.450%, 06/02/2025	12,038,000	11,693,122
4.400%, 07/13/2027	2,484,000	2,411,947
SBL Holdings, Inc. 5.000%, 02/18/2031 (B)	5,793,000	4,769,551
Societe Generale SA 6.221%, (6.221% to 6-15-32, then 1 Year CMT + 3.200%), 06/15/2033 (B)	4,310,000	4,302,029
6.446%, (6.446% to 1-10-28, then 1 Year CMT + 2.550%), 01/10/2029 (B)	11,617,000	12,017,572
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (B)	9,222,000	8,028,880
The Charles Schwab Corp. 5.643%, (5.643% to 5-19-28, then Overnight SOFR + 2.210%), 05/19/2029	6,429,000	6,594,960
6.196%, (6.196% to 11-17-28, then Overnight SOFR + 1.878%), 11/17/2029	7,054,000	7,397,158
The Goldman Sachs Group, Inc. 2.615%, (2.615% to 4-22-31, then Overnight SOFR + 1.281%), 04/22/2032	21,922,000	18,401,515
2.650%, (2.650% to 10-21-31, then Overnight SOFR + 1.264%), 10/21/2032	7,882,000	6,568,165
The PNC Financial Services Group, Inc. 3.400%, (3.400% to 9-15-26, then 5 Year CMT + 2.595%), 09/15/2026 (D)	9,949,000	7,958,450
5.582%, (5.582% to 6-12-28, then Overnight SOFR + 1.841%), 06/12/2029	11,207,000	11,446,066
5.939%, (5.939% to 8-18-33, then Overnight SOFR + 1.946%), 08/18/2034	6,375,000	6,627,046
6.250%, (6.250% to 3-15-30, then 7 Year CMT + 2.808%), 03/15/2030 (D)	4,542,000	4,233,906
8.679%, (3 month CME Term SOFR + 3.302%), 03/01/2024 (D)(E)	3,184,000	3,175,789
Truist Financial Corp. 5.867%, (5.867% to 6-8-33, then Overnight SOFR + 2.361%), 06/08/2034	5,481,000	5,591,136
7.161%, (7.161% to 10-30-28, then Overnight SOFR + 2.446%), 10/30/2029	4,179,000	4,513,456
U.S. Bancorp 5.836%, (5.836% to 6-10-33, then Overnight SOFR + 2.260%), 06/12/2034	6,311,000	6,509,949
6.787%, (6.787% to 10-26-26, then Overnight SOFR + 1.880%), 10/26/2027	6,971,000	7,278,183

# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
UBS Group AG 6.301%, (6.301% to 9-22-33, then 1 Year CMT + 2.000%), 09/22/2034 (B)	\$ 4,297,000	\$ 4,548,904
9.250%, (9.250% to 11-13-28, then 5 Year CMT + 4.745%), 11/13/2028 (B)(D)	3,279,000	3,537,310
9.250%, (9.250% to 11-13-33, then 5 Year CMT + 4.758%), 11/13/2033 (B)(D)	2,445,000	2,709,708
Wells Fargo & Company 2.393%, (2.393% to 6-2-27, then Overnight SOFR + 2.100%), 06/02/2028	17,908,000	16,402,381
2.879%, (2.879% to 10-30-29, then 3 month CME Term SOFR + 1.432%), 10/30/2030	11,773,000	10,465,752
3.350%, (3.350% to 3-2-32, then Overnight SOFR + 1.500%), 03/02/2033	16,621,000	14,517,053
5.875%, (5.875% to 6-15-25, then 9.865% thereafter), 06/15/2025 (D)	21,110,000	20,889,958
		595,966,080
<b>Health care – 1.5%</b>		
Amgen, Inc. 5.250%, 03/02/2030	2,398,000	2,465,136
Cencora, Inc. 2.800%, 05/15/2030	7,814,000	7,005,848
Centene Corp. 4.625%, 12/15/2029	13,970,000	13,393,422
CVS Health Corp. 3.750%, 04/01/2030	5,408,000	5,087,320
5.050%, 03/25/2048	4,473,000	4,183,633
5.250%, 01/30/2031	1,445,000	1,482,266
Fresenius Medical Care US Finance III, Inc. 2.375%, 02/16/2031 (B)	12,349,000	9,545,138
3.750%, 06/15/2029 (B)	11,470,000	10,054,788
IQVIA, Inc. 6.250%, 02/01/2029 (B)	3,483,000	3,636,067
Pfizer Investment Enterprises Pte, Ltd. 4.750%, 05/19/2033	6,574,000	6,588,757
Royalty Pharma PLC 1.750%, 09/02/2027	4,117,000	3,691,837
Thermo Fisher Scientific, Inc. 4.977%, 08/10/2030	3,630,000	3,718,780
Universal Health Services, Inc. 1.650%, 09/01/2026	6,167,000	5,610,999
2.650%, 10/15/2030	6,598,000	5,594,631
Viatis, Inc. 2.700%, 06/22/2030	7,946,000	6,726,423
4.000%, 06/22/2050	6,862,000	4,826,845
		93,611,890
<b>Industrials – 4.3%</b>		
AerCap Ireland Capital DAC 1.750%, 01/30/2026	9,702,000	9,009,521
2.450%, 10/29/2026	24,766,000	22,931,366
3.000%, 10/29/2028	12,158,000	11,100,114
Air Canada 2013-1 Class A Pass Through Trust 4.125%, 05/15/2025 (B)	1,161,186	1,117,644
Air Canada 2017-1 Class B Pass Through Trust 3.700%, 01/15/2026 (B)	1,695,132	1,604,198

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Air Lease Corp. 2.100%, 09/01/2028	\$ 4,481,000	\$ 3,921,518
2.875%, 01/15/2026	3,181,000	3,030,420
3.625%, 12/01/2027	4,932,000	4,663,935
Alaska Airlines 2020-1 Class B Pass Through Trust 8.000%, 08/15/2025 (B)	3,647,694	3,655,382
American Airlines 2016-1 Class A Pass Through Trust 4.100%, 01/15/2028	6,949,274	6,400,886
American Airlines 2016-1 Class AA Pass Through Trust 3.575%, 01/15/2028	6,085,388	5,671,155
American Airlines 2017-1 Class A Pass Through Trust 4.000%, 02/15/2029	4,635,619	4,152,661
American Airlines 2017-1 Class AA Pass Through Trust 3.650%, 02/15/2029	5,328,731	4,929,380
American Airlines 2017-2 Class A Pass Through Trust 3.600%, 10/15/2029	4,013,793	3,514,390
American Airlines 2019-1 Class A Pass Through Trust 3.500%, 02/15/2032	6,276,979	5,336,609
American Airlines 2019-1 Class AA Pass Through Trust 3.150%, 02/15/2032	6,396,071	5,591,739
American Airlines 2021-1 Class A Pass Through Trust 2.875%, 07/11/2034	4,752,704	4,028,815
American Airlines 2021-1 Class B Pass Through Trust 3.950%, 07/11/2030	1,274,910	1,131,573
Ashtead Capital, Inc. 4.250%, 11/01/2029 (B)	2,302,000	2,149,510
5.500%, 08/11/2032 (B)	5,436,000	5,369,814
5.550%, 05/30/2033 (B)	2,706,000	2,677,457
5.950%, 10/15/2033 (B)	6,014,000	6,127,061
British Airways 2018-1 Class A Pass Through Trust 4.125%, 09/20/2031 (B)	1,530,836	1,391,942
British Airways 2020-1 Class A Pass Through Trust 4.250%, 11/15/2032 (B)	2,245,465	2,090,504
British Airways 2020-1 Class B Pass Through Trust 8.375%, 11/15/2028 (B)	1,661,751	1,716,559
Concentrix Corp. 6.600%, 08/02/2028	6,971,000	7,169,652
DAE Funding LLC 3.375%, 03/20/2028 (B)	7,806,000	7,177,867
Delta Air Lines, Inc. 4.750%, 10/20/2028 (B)	7,487,678	7,364,045
Huntington Ingalls Industries, Inc. 4.200%, 05/01/2030	3,156,000	3,007,701
Ingersoll Rand, Inc. 5.400%, 08/14/2028	1,332,000	1,372,548
JetBlue 2019-1 Class AA Pass Through Trust 2.750%, 05/15/2032	6,436,353	5,429,356
Owens Corning 3.950%, 08/15/2029	8,341,000	7,943,869
Regal Rexnord Corp. 6.050%, 02/15/2026 (B)	4,778,000	4,830,811

# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Regal Rexnord Corp. (continued)		
6.400%, 04/15/2033 (B)	\$ 4,095,000	\$ 4,268,094
SMBC Aviation Capital Finance DAC		
2.300%, 06/15/2028 (B)	3,894,000	3,420,983
The Boeing Company		
3.200%, 03/01/2029	4,360,000	4,077,446
5.040%, 05/01/2027	10,843,000	10,937,641
5.150%, 05/01/2030	16,612,000	16,911,198
United Airlines 2014-2 Class A Pass Through Trust		
3.750%, 09/03/2026	8,409,027	8,011,255
United Airlines 2016-1 Class A Pass Through Trust		
3.450%, 07/07/2028	7,716,349	6,879,528
United Airlines 2016-1 Class B Pass Through Trust		
3.650%, 01/07/2026	6,704,253	6,348,243
United Airlines 2018-1 Class B Pass Through Trust		
4.600%, 03/01/2026	2,653,723	2,520,028
United Airlines 2019-1 Class A Pass Through Trust		
4.550%, 08/25/2031	4,429,697	3,925,720
United Airlines 2020-1 Class A Pass Through Trust		
5.875%, 10/15/2027	12,172,991	12,324,297
United Airlines 2020-1 Class B Pass Through Trust		
4.875%, 01/15/2026	3,625,504	3,511,779
United Airlines 2023-1 Class A Pass Through Trust		
5.800%, 01/15/2036	7,169,000	7,269,990
US Airways 2012-2 Class A Pass Through Trust		
4.625%, 06/03/2025	1,712,168	1,664,484
		259,680,688
<b>Information technology – 2.4%</b>		
Autodesk, Inc.		
2.850%, 01/15/2030	3,346,000	3,015,955
Broadcom, Inc.		
3.419%, 04/15/2033 (B)	11,115,000	9,762,382
4.750%, 04/15/2029	22,112,432	21,171,572
Dell International LLC		
5.300%, 10/01/2029	5,382,000	5,542,394
Foundry JV Holdco LLC		
5.875%, 01/25/2034 (B)	5,347,000	5,492,085
Gartner, Inc.		
4.500%, 07/01/2028 (B)	7,293,000	6,916,151
Marvell Technology, Inc.		
5.950%, 09/15/2033	8,941,000	9,480,945
Micron Technology, Inc.		
2.703%, 04/15/2032	4,907,000	4,121,104
4.185%, 02/15/2027	10,435,000	10,234,917
5.327%, 02/06/2029	6,732,000	6,866,137
6.750%, 11/01/2029	11,681,000	12,622,324
Motorola Solutions, Inc.		
2.300%, 11/15/2030	8,865,000	7,485,235
2.750%, 05/24/2031	8,602,000	7,352,126
NXP BV		
3.875%, 06/18/2026	11,636,000	11,336,711
Oracle Corp.		
2.950%, 04/01/2030	5,548,000	5,007,326
Qorvo, Inc.		
3.375%, 04/01/2031 (B)	3,682,000	3,150,197

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
VeriSign, Inc.		
2.700%, 06/15/2031	\$ 4,203,000	\$ 3,602,237
VMware LLC		
4.700%, 05/15/2030	9,327,000	9,200,150
		142,359,948
<b>Materials – 0.3%</b>		
Anglo American Capital PLC		
4.750%, 04/10/2027 (B)	4,433,000	4,374,429
Freeport-McMoRan, Inc.		
4.250%, 03/01/2030	5,211,000	4,893,498
5.450%, 03/15/2043	7,603,000	7,396,503
Newmont Corp.		
2.800%, 10/01/2029	2,032,000	1,853,998
OCI NV		
6.700%, 03/16/2033 (B)	2,933,000	2,995,250
		21,513,678
<b>Real estate – 0.9%</b>		
American Homes 4 Rent LP		
4.250%, 02/15/2028	3,147,000	3,054,026
American Tower Corp.		
3.800%, 08/15/2029	11,055,000	10,494,947
American Tower Trust I		
5.490%, 03/15/2028 (B)	7,995,000	8,109,298
CoStar Group, Inc.		
2.800%, 07/15/2030 (B)	8,616,000	7,323,074
GLP Capital LP		
3.250%, 01/15/2032	1,916,000	1,617,587
4.000%, 01/15/2030	2,026,000	1,848,685
5.375%, 04/15/2026	3,132,000	3,112,635
Prologis LP		
5.125%, 01/15/2034	6,718,000	6,933,389
SBA Tower Trust		
6.599%, 01/15/2028 (B)	1,416,000	1,455,324
VICI Properties LP		
4.125%, 08/15/2030 (B)	2,123,000	1,933,894
4.375%, 05/15/2025	1,793,000	1,762,049
4.625%, 12/01/2029 (B)	4,089,000	3,852,858
5.125%, 05/15/2032	1,733,000	1,689,335
		53,187,101
<b>Utilities – 2.6%</b>		
AES Panama Generation Holdings SRL		
4.375%, 05/31/2030 (B)	5,845,429	4,910,160
American Electric Power Company, Inc.		
5.625%, 03/01/2033	2,475,000	2,578,431
Atlantica Transmission Sur SA		
6.875%, 04/30/2043 (B)	2,461,108	2,433,420
Constellation Energy Generation LLC		
6.125%, 01/15/2034	2,070,000	2,215,077
6.500%, 10/01/2053	3,530,000	3,980,822
Dominion Energy, Inc.		
3.375%, 04/01/2030	5,292,000	4,871,914
Duke Energy Carolinas LLC		
4.950%, 01/15/2033	6,133,000	6,246,585
Duke Energy Corp.		
2.450%, 06/01/2030	2,272,000	1,980,686
5.750%, 09/15/2033	7,220,000	7,637,428
Emera US Finance LP		
3.550%, 06/15/2026	6,192,000	5,965,874
Eversource Energy		
5.125%, 05/15/2033	5,667,000	5,695,621
Georgia Power Company		
4.950%, 05/17/2033	3,760,000	3,790,332
Indianapolis Power & Light Company		
5.650%, 12/01/2032 (B)	9,200,000	9,521,397



# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
National Grid PLC 5.809%, 06/12/2033	\$ 8,795,000	\$ 9,241,440
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	13,461,000	11,514,923
NiSource, Inc. 1.700%, 02/15/2031	2,272,000	1,840,797
3.600%, 05/01/2030	4,887,000	4,547,041
5.250%, 03/30/2028	1,446,000	1,474,365
NRG Energy, Inc. 2.450%, 12/02/2027 (B)	6,241,000	5,626,793
4.450%, 06/15/2029 (B)	5,451,000	5,143,260
7.000%, 03/15/2033 (B)	6,323,000	6,683,126
San Diego Gas & Electric Company 4.950%, 08/15/2028	10,536,000	10,751,943
Sempra 5.500%, 08/01/2033	5,830,000	6,042,550
The Southern Company 5.700%, 03/15/2034	3,610,000	3,795,999
Vistra Operations Company LLC 3.700%, 01/30/2027 (B)	10,864,000	10,290,062
4.300%, 07/15/2029 (B)	10,449,000	9,776,565
6.950%, 10/15/2033 (B)	5,460,000	5,746,301
		154,302,912
<b>TOTAL CORPORATE BONDS (Cost \$1,886,449,624)</b>		<b>\$ 1,806,858,537</b>
<b>MUNICIPAL BONDS – 0.6%</b>		
Foothill-Eastern Transportation Corridor Agency (California) 4.094%, 01/15/2049	5,856,000	4,883,417
Golden State Tobacco Securitization Corp. (California) 4.214%, 06/01/2050	4,975,000	3,743,373
Maryland Health & Higher Educational Facilities Authority 3.197%, 07/01/2050	9,725,000	7,045,512
Mississippi Hospital Equipment & Facilities Authority 3.720%, 09/01/2026	6,647,000	6,418,271
Ohio Turnpike & Infrastructure Commission 3.216%, 02/15/2048	2,540,000	1,910,942
Regents of the University of California Medical Center 3.006%, 05/15/2050	9,720,000	6,880,741
State Board of Administration Finance Corp. (Florida) 1.705%, 07/01/2027	3,337,000	3,021,355
<b>TOTAL MUNICIPAL BONDS (Cost \$43,161,984)</b>		<b>\$ 33,903,611</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 4.4%</b>		
<b>Commercial and residential – 3.4%</b>		
Angel Oak Mortgage Trust LLC Series 2020-R1, Class A1, 0.990%, 04/25/2053 (B)(F)	2,215,712	2,023,434
Series 2021-2, Class A1, 0.985%, 04/25/2066 (B)(F)	2,246,996	1,896,308
Series 2021-4, Class A1, 1.035%, 01/20/2065 (B)(F)	5,208,737	4,196,915
Series 2021-5, Class A1, 0.951%, 07/25/2066 (B)(F)	4,607,435	3,874,489
Arroyo Mortgage Trust Series 2021-1R, Class A1 1.175%, 10/25/2048 (B)(F)	2,747,853	2,242,603

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
BAMLL Commercial Mortgage Securities Trust Series 2015-200P, Class A 3.218%, 04/14/2033 (B)	\$ 2,121,000	\$ 2,025,283
BBCMS Mortgage Trust Series 2020-C6, Class A2 2.690%, 02/15/2053	1,980,000	1,831,108
BRAVO Residential Funding Trust Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (B)(F)	2,547,209	2,246,582
BX Trust Series 2021-MFM1, Class D (1 month CME Term SOFR + 1.614%), 6.976%, 01/15/2034 (B)(E)	1,471,223	1,434,218
Series 2022-CLS, Class A, 5.760%, 10/13/2027 (B)	3,485,000	3,487,061
BXHPP Trust Series 2021-FILM, Class C (1 month CME Term SOFR + 1.214%) 6.576%, 08/15/2036 (B)(E)	14,743,000	13,214,026
Cantor Commercial Real Estate Lending Series 2019-CF1, Class A2 3.623%, 05/15/2052	7,704,000	7,270,683
Citigroup Commercial Mortgage Trust Series 2020-GC46, Class A2, 2.708%, 02/15/2053	6,905,000	6,204,491
Series 2023-SMRT, Class A, 5.820%, 10/12/2040 (B)(F)	4,232,000	4,283,998
COLT Mortgage Loan Trust Series 2021-2, Class A1, 0.924%, 08/25/2066 (B)(F)	2,986,561	2,388,969
Series 2021-3, Class A1, 0.956%, 09/27/2066 (B)(F)	4,786,567	3,798,750
Series 2021-HX1, Class A1, 1.110%, 10/25/2066 (B)(F)	4,103,172	3,390,417
COLT Trust Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (B)(F)	6,801,629	5,688,081
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2020-CX, Class D 2.683%, 11/10/2046 (B)(F)	4,291,000	3,273,680
Commercial Mortgage Trust (Deutsche Bank AG) Series 2020-CBM, Class A2 2.896%, 02/10/2037 (B)	3,156,000	3,026,480
Credit Suisse Mortgage Capital Certificates Series 2020-NET, Class A, 2.257%, 08/15/2037 (B)	2,142,426	1,981,761
Series 2021-AFC1, Class A1, 0.830%, 03/25/2056 (B)(F)	6,281,905	4,919,191
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (B)(F)	2,698,772	2,296,479
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (B)(F)	2,081,664	1,732,853
Series 2021-NQM5, Class A1, 0.938%, 05/25/2066 (B)(F)	2,501,771	1,980,483
Series 2021-NQM6, Class A1, 1.174%, 07/25/2066 (B)(F)	6,404,426	5,119,510
Series 2021-RPL2, Class A1A, 1.115%, 01/25/2060 (B)(F)	8,390,225	6,886,887

# John Hancock Variable Insurance Trust

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## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
DBJPM Mortgage Trust Series 2020-C9, Class A2 1.900%, 08/15/2053	\$ 5,885,000	\$ 5,463,147
Deephaven Residential Mortgage Trust Series 2021-2, Class A1 0.899%, 04/25/2066 (B)(F)	3,857,873	3,294,011
Ellington Financial Mortgage Trust Series 2021-1, Class A1, 0.797%, 02/25/2066 (B)(F)	1,579,465	1,329,490
Series 2021-2, Class A1, 0.931%, 06/25/2066 (B)(F)	3,535,842	2,816,948
Flagstar Mortgage Trust Series 2021-1, Class A2 2.500%, 02/01/2051 (B)(F)	7,028,580	5,746,960
GCAT Trust Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (B)(F)	1,507,441	1,232,329
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (B)(F)	1,650,559	1,351,026
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (B)(F)	3,342,120	2,746,409
GS Mortgage Securities Trust Series 2020-UPTN, Class A 2.751%, 02/10/2037 (B)	2,210,000	2,093,639
GS Mortgage-Backed Securities Trust Series 2020-NQM1, Class A1, 1.382%, 09/27/2060 (B)(F)	943,841	859,164
Series 2021-NQM1, Class A1, 1.017%, 07/25/2061 (B)(F)	2,152,384	1,833,102
Imperial Fund Mortgage Trust Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (B)(F)	2,713,791	2,287,833
JPMorgan Chase Commercial Mortgage Securities Trust Series 2022-OPO, Class A 3.024%, 01/05/2039 (B)	6,678,000	5,607,955
KNDL Mortgage Trust Series 2019-KNSQ, Class C (1 month CME Term SOFR + 1.246%) 6.608%, 05/15/2036 (B)(E)	5,586,000	5,538,937
MFA Trust Series 2021-NQM1, Class A1 1.153%, 04/25/2065 (B)(F)	2,012,650	1,827,105
New Residential Mortgage Loan Trust Series 2020-1A, Class A1B 3.500%, 10/25/2059 (B)(F)	2,374,444	2,217,248
NMLT Trust Series 2021-INV1, Class A1 1.185%, 05/25/2056 (B)(F)	5,496,695	4,498,635
NYMT Loan Trust Series 2022-CP1, Class A1 2.042%, 07/25/2061 (B)	1,644,872	1,500,501
OBX Trust Series 2020-EXP2, Class A3, 2.500%, 05/25/2060 (B)(F)	2,018,522	1,640,858
Series 2021-NQM2, Class A1, 1.101%, 05/25/2061 (B)(F)	3,543,731	2,721,639
Series 2021-NQM3, Class A1, 1.054%, 07/25/2061 (B)(F)	5,143,423	3,930,321
Provident Funding Mortgage Trust Series 2020-F1, Class A2 2.000%, 01/25/2036 (B)(F)	4,548,006	3,883,530

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
SLG Office Trust Series 2021-OVA, Class C 2.851%, 07/15/2041 (B)	\$ 8,579,000	\$ 6,860,265
Starwood Mortgage Residential Trust Series 2021-2, Class A1, 0.943%, 05/25/2065 (B)(F)	1,819,605	1,641,515
Series 2022-1, Class A1, 2.447%, 12/25/2066 (B)(F)	5,311,406	4,528,117
Towd Point Mortgage Trust Series 2018-4, Class A1, 3.000%, 06/25/2058 (B)(F)	1,900,554	1,768,169
Series 2019-4, Class A1, 2.900%, 10/25/2059 (B)(F)	2,915,703	2,738,173
Series 2020-4, Class A1, 1.750%, 10/25/2060 (B)	3,740,416	3,288,182
Verus Securitization Trust Series 2020-5, Class A1 (1.218% to 10-1-24, then 2.218% thereafter), 1.218%, 05/25/2065 (B)	1,259,246	1,163,056
Series 2021-1, Class A1, 0.815%, 01/25/2066 (B)(F)	2,762,920	2,361,002
Series 2021-3, Class A1, 1.046%, 06/25/2066 (B)(F)	3,987,338	3,315,268
Series 2021-4, Class A1, 0.938%, 07/25/2066 (B)(F)	2,909,515	2,309,710
Series 2021-5, Class A1, 1.013%, 09/25/2066 (B)(F)	2,782,857	2,283,033
Series 2021-R2, Class A1, 0.918%, 02/25/2064 (B)(F)	2,566,003	2,257,935
Visio Trust Series 2020-1R, Class A1 1.312%, 11/25/2055 (B)	2,771,441	2,490,540
		204,140,492
<b>U.S. Government Agency – 1.0%</b>		
Federal Home Loan Mortgage Corp. Series K048, Class X1 IO 0.206%, 06/25/2025	149,267,122	348,852
Government National Mortgage Association Series 2012-114, Class IO, 0.622%, 01/16/2053	12,514,587	194,482
Series 2016-174, Class IO, 0.891%, 11/16/2056	9,657,481	380,728
Series 2017-109, Class IO, 0.230%, 04/16/2057	11,460,480	184,189
Series 2017-124, Class IO, 0.627%, 01/16/2059	11,894,820	375,197
Series 2017-135, Class IO, 0.718%, 10/16/2058	39,958,419	1,516,006
Series 2017-140, Class IO, 0.486%, 02/16/2059	19,047,600	590,550
Series 2017-159, Class IO, 0.433%, 06/16/2059	26,914,030	733,596
Series 2017-20, Class IO, 0.527%, 12/16/2058	25,042,632	583,927
Series 2017-22, Class IO, 0.754%, 12/16/2057	12,218,890	430,629
Series 2017-41, Class IO, 0.585%, 07/16/2058	9,237,518	260,727
Series 2017-46, Class IO, 0.645%, 11/16/2057	13,001,163	448,605
Series 2017-61, Class IO, 0.745%, 05/16/2059	21,369,829	774,861

# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association (continued)		
Series 2018-158, Class IO, 0.787%, 05/16/2061	\$ 19,871,741	\$ 987,965
Series 2018-69, Class IO, 0.615%, 04/16/2060	21,587,936	941,905
Series 2019-131, Class IO, 0.802%, 07/16/2061	26,705,140	1,410,138
Series 2020-100, Class IO, 0.784%, 05/16/2062	28,421,845	1,616,834
Series 2020-108, Class IO, 0.847%, 06/16/2062	68,751,823	3,930,824
Series 2020-114, Class IO, 0.800%, 09/16/2062	67,698,238	3,993,614
Series 2020-118, Class IO, 0.882%, 06/16/2062	49,962,323	3,079,463
Series 2020-119, Class IO, 0.602%, 08/16/2062	27,481,493	1,297,272
Series 2020-120, Class IO, 0.762%, 05/16/2062	15,765,530	887,197
Series 2020-137, Class IO, 0.796%, 09/16/2062	87,919,147	4,847,756
Series 2020-150, Class IO, 0.962%, 12/16/2062	44,621,681	3,029,611
Series 2020-170, Class IO, 0.834%, 11/16/2062	57,615,205	3,548,290
Series 2020-92, Class IO, 0.878%, 02/16/2062	65,223,730	4,099,585
Series 2021-10, Class IO, 0.986%, 05/16/2063	41,666,036	2,842,578
Series 2021-11, Class IO, 1.020%, 12/16/2062	64,759,317	4,430,573
Series 2021-203, Class IO, 0.869%, 07/16/2063	54,603,351	3,477,840
Series 2021-3, Class IO, 0.868%, 09/16/2062	75,791,595	4,652,262
Series 2021-40, Class IO, 0.824%, 02/16/2063	19,795,766	1,204,250
Series 2022-181, Class IO, 0.716%, 07/16/2064	20,473,691	1,383,289
Series 2022-21, Class IO, 0.783%, 10/16/2063	18,727,676	1,145,012
		59,628,607
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$365,235,214)		\$ 263,769,099
<b>ASSET BACKED SECURITIES – 7.3%</b>		
ABPCI Direct Lending Fund I, Ltd.		
Series 2020-1A, Class A 3.199%, 12/20/2030 (B)	8,583,656	8,186,448
Aligned Data Centers Issuer LLC		
Series 2021-1A, Class A2 1.937%, 08/15/2046 (B)	7,638,000	6,845,412
Series 2023-2A, Class A2 6.500%, 11/16/2048 (B)	4,198,000	4,236,736
AMSR Trust		
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (B)	1,129,000	1,049,632
Series 2021-SFR1, Class B 2.153%, 06/17/2038 (B)	5,614,000	4,817,272
Series 2021-SFR4, Class A 2.117%, 12/17/2038 (B)	1,681,000	1,528,153

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Applebee's Funding LLC		
Series 2023-1A, Class A2 7.824%, 03/05/2053 (B)	\$ 3,779,000	\$ 3,874,420
Aqua Finance Trust		
Series 2021-A, Class A 1.540%, 07/17/2046 (B)	2,411,446	2,154,161
Arby's Funding LLC		
Series 2020-1A, Class A2 3.237%, 07/30/2050 (B)	8,854,560	8,078,316
Beacon Container Finance II LLC		
Series 2021-1A, Class A 2.250%, 10/22/2046 (B)	6,572,950	5,827,575
BRE Grand Islander Timeshare Issuer LLC		
Series 2019-A, Class A 3.280%, 09/26/2033 (B)	2,023,667	1,931,611
CARS-DB4 LP		
Series 2020-1A, Class A1 2.690%, 02/15/2050 (B)	6,332,511	6,081,808
CARS-DB7 LP		
Series 2023-1A, Class A1 5.750%, 09/15/2053 (B)	7,769,520	7,806,166
CF Hippolyta Issuer LLC		
Series 2020-1, Class A1 1.690%, 07/15/2060 (B)	7,713,700	7,128,761
Series 2021-1A, Class A1 1.530%, 03/15/2061 (B)	6,834,630	6,108,893
CLI Funding VI LLC		
Series 2020-1A, Class A 2.080%, 09/18/2045 (B)	7,275,694	6,497,893
CLI Funding VIII LLC		
Series 2021-1A, Class A 1.640%, 02/18/2046 (B)	5,093,256	4,491,866
Series 2022-1A, Class A 2.720%, 01/18/2047 (B)	4,546,873	4,012,978
CyrusOne Data Centers Issuer I LLC		
Series 2023-1A, Class A2 4.300%, 04/20/2048 (B)	5,907,000	5,394,860
DataBank Issuer		
Series 2021-1A, Class A2 2.060%, 02/27/2051 (B)	10,204,000	9,231,790
Series 2021-2A, Class A2 2.400%, 10/25/2051 (B)	7,833,000	6,964,199
DB Master Finance LLC		
Series 2017-1A, Class A2II 4.030%, 11/20/2047 (B)	2,769,065	2,624,907
Series 2021-1A, Class A2I 2.045%, 11/20/2051 (B)	10,857,420	9,866,908
Diamond Infrastructure Funding LLC		
Series 2021-1A, Class A 1.760%, 04/15/2049 (B)	7,537,000	6,690,103
Domino's Pizza Master Issuer LLC		
Series 2017-1A, Class A23 4.118%, 07/25/2047 (B)	9,129,998	8,707,918
Series 2019-1A, Class A2 3.668%, 10/25/2049 (B)	2,670,938	2,436,795
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (B)	5,508,750	4,869,702
Driven Brands Funding LLC		
Series 2018-1A, Class A2 4.739%, 04/20/2048 (B)	2,334,150	2,279,977
Series 2020-2A, Class A2 3.237%, 01/20/2051 (B)	5,484,900	4,892,608
Series 2021-1A, Class A2 2.791%, 10/20/2051 (B)	6,532,680	5,586,689

# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Elara HGV Timeshare Issuer LLC		
Series 2019-A, Class A		
2.610%, 01/25/2034 (B)	\$ 1,062,712	\$ 1,013,541
FirstKey Homes Trust		
Series 2020-SFR2, Class A		
1.266%, 10/19/2037 (B)	3,643,900	3,377,556
Series 2021-SFR1, Class A		
1.538%, 08/17/2038 (B)	4,052,100	3,668,115
Series 2021-SFR1, Class C		
1.888%, 08/17/2038 (B)	8,099,000	7,240,768
Five Guys Holdings, Inc.		
Series 2023-1A, Class A2		
7.549%, 01/26/2054 (B)	5,027,000	5,058,152
Ford Credit Auto Owner Trust		
Series 2023-2, Class A		
5.280%, 02/15/2036 (B)	5,846,000	5,970,625
Golub Capital Partners Funding, Ltd.		
Series 2020-1A, Class A2		
3.208%, 01/22/2029 (B)	3,365,665	3,164,934
Series 2021-1A, Class A2		
2.773%, 04/20/2029 (B)	5,011,288	4,712,298
HI-FI Music IP Issuer LP		
Series 2022-1A, Class A2		
3.939%, 02/01/2062 (B)	6,407,000	5,959,638
Home Partners of America Trust		
Series 2021-2, Class A		
1.901%, 12/17/2026 (B)	1,948,875	1,761,343
Hotwire Funding LLC		
Series 2021-1, Class A2		
2.311%, 11/20/2051 (B)	5,233,000	4,720,135
Series 2023-1A, Class A2		
5.687%, 05/20/2053 (B)	5,414,000	5,366,345
Jack in the Box Funding LLC		
Series 2019-1A, Class A23		
4.970%, 08/25/2049 (B)	2,966,125	2,764,553
Series 2022-1A, Class A21		
3.445%, 02/26/2052 (B)	5,416,545	4,982,539
MetroNet Infrastructure Issuer LLC		
Series 2023-1A, Class A2		
6.560%, 04/20/2053 (B)	3,616,000	3,581,451
Monroe Capital Funding, Ltd.		
Series 2021-1A, Class A2		
2.815%, 04/22/2031 (B)	12,848,020	11,880,200
Navient Private Education Refi Loan Trust		
Series 2019-EA, Class A2A		
2.640%, 05/15/2068 (B)	2,103,326	1,997,004
Series 2019-FA, Class A2		
2.600%, 08/15/2068 (B)	1,831,601	1,705,287
Series 2020-BA, Class A2		
2.120%, 01/15/2069 (B)	3,912,653	3,608,335
Series 2020-GA, Class A		
1.170%, 09/16/2069 (B)	3,501,904	3,134,753
Series 2020-HA, Class A		
1.310%, 01/15/2069 (B)	4,406,082	4,032,860
Series 2021-A, Class A		
0.840%, 05/15/2069 (B)	4,249,104	3,743,094
Navient Student Loan Trust		
Series 2020-2A, Class A1A		
1.320%, 08/26/2069 (B)	3,215,211	2,756,205
Neighborly Issuer LLC		
Series 2021-1A, Class A2		
3.584%, 04/30/2051 (B)	9,049,950	7,852,814
Series 2022-1A, Class A2		
3.695%, 01/30/2052 (B)	4,286,648	3,661,376

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
New Economy Assets Phase 1 Sponsor LLC		
Series 2021-1, Class A1		
1.910%, 10/20/2061 (B)	\$ 8,463,000	\$ 7,405,880
Series 2021-1, Class B1		
2.410%, 10/20/2061 (B)	3,933,000	3,188,585
NRZ Excess Spread-Collateralized Notes		
Series 2020-PLS1, Class A		
3.844%, 12/25/2025 (B)	1,349,514	1,286,264
Series 2021-FHT1, Class A		
3.104%, 07/25/2026 (B)	1,027,195	954,094
Progress Residential Trust		
Series 2021-SFR2, Class A		
1.546%, 04/19/2038 (B)	11,723,516	10,675,035
Series 2021-SFR5, Class A		
1.427%, 07/17/2038 (B)	9,349,548	8,469,448
Series 2021-SFR8, Class B		
1.681%, 10/17/2038 (B)	3,244,000	2,897,194
Retained Vantage Data Centers Issuer LLC		
Series 2023-1A, Class A2A		
5.000%, 09/15/2048 (B)	7,117,000	6,654,495
SCF Equipment Leasing LLC		
Series 2019-2A, Class C		
3.110%, 06/21/2027 (B)	7,917,000	7,749,730
Series 2021-1A, Class B		
1.370%, 08/20/2029 (B)	5,189,000	4,955,707
Series 2022-2A, Class A3		
6.500%, 10/21/2030 (B)	8,159,000	8,220,454
SERVPRO Master Issuer LLC		
Series 2021-1A, Class A2		
2.394%, 04/25/2051 (B)	5,010,525	4,304,041
Sesac Finance LLC		
Series 2019-1, Class A2		
5.216%, 07/25/2049 (B)	6,324,288	6,147,245
SMB Private Education Loan Trust		
Series 2019-B, Class A2A		
2.840%, 06/15/2037 (B)	3,998,383	3,787,257
Series 2020-PTA, Class A2A		
1.600%, 09/15/2054 (B)	2,874,236	2,585,550
Series 2021-A, Class APT2		
1.070%, 01/15/2053 (B)	1,830,501	1,601,906
SoFi Professional Loan Program LLC		
Series 2019-B, Class A2FX		
3.090%, 08/17/2048 (B)	985,044	938,479
Sonic Capital LLC		
Series 2020-1A, Class A2I		
3.845%, 01/20/2050 (B)	5,305,067	4,994,885
Series 2020-1A, Class A2II		
4.336%, 01/20/2050 (B)	5,375,633	4,944,013
Series 2021-1A, Class A2I		
2.190%, 08/20/2051 (B)	4,474,995	3,815,452
Sunbird Engine Finance LLC		
Series 2020-1A, Class A		
3.671%, 02/15/2045 (B)	1,372,498	1,169,506
Taco Bell Funding LLC		
Series 2021-1A, Class A2I		
1.946%, 08/25/2051 (B)	10,277,933	9,211,135
TIF Funding II LLC		
Series 2020-1A, Class A		
2.090%, 08/20/2045 (B)	8,783,213	7,882,395
Series 2021-1A, Class A		
1.650%, 02/20/2046 (B)	3,995,364	3,430,002
Tricon American Homes Trust		
Series 2020-SFR2, Class A		
1.482%, 11/17/2039 (B)	5,942,290	5,203,132

# John Hancock Variable Insurance Trust

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

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Triton Container Finance VIII LLC		
Series 2020-1A, Class A		
2.110%, 09/20/2045 (B)	\$ 8,527,223	\$ 7,576,208
Series 2021-1A, Class A		
1.860%, 03/20/2046 (B)	5,327,736	4,640,391
Vantage Data Centers LLC		
Series 2020-1A, Class A2		
1.645%, 09/15/2045 (B)	5,594,000	5,172,229
Series 2020-2A, Class A2		
1.992%, 09/15/2045 (B)	4,913,000	4,271,138
VCP RRL ABS I, Ltd.		
Series 2021-1A, Class A		
2.152%, 10/20/2031 (B)	1,740,140	1,606,853
VR Funding LLC		
Series 2020-1A, Class A		
2.790%, 11/15/2050 (B)	5,873,139	5,254,232
Wendy's Funding LLC		
Series 2021-1A, Class A21		
2.370%, 06/15/2051 (B)	5,621,324	4,846,650
Westgate Resorts LLC		
Series 2022-1A, Class A		
1.788%, 08/20/2036 (B)	3,942,344	3,776,921
Willis Engine Structured Trust V		
Series 2020-A, Class A		
3.228%, 03/15/2045 (B)	1,595,577	1,438,213
Wingstop Funding LLC		
Series 2020-1A, Class A2		
2.841%, 12/05/2050 (B)	10,760,140	9,676,368
Zaxby's Funding LLC		
Series 2021-1A, Class A2		
3.238%, 07/30/2051 (B)	4,254,080	3,686,828
<b>TOTAL ASSET BACKED SECURITIES (Cost \$482,405,807)</b>		<b>\$ 442,336,393</b>
<b>SHORT-TERM INVESTMENTS – 0.5%</b>		
<b>Short-term funds – 0.5%</b>		
John Hancock Collateral Trust,		
5.3645% (G)(H)	2,977,189	29,772,485
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$29,773,779)</b>		<b>\$ 29,772,485</b>
<b>Total Investments (Select Bond Trust)</b>		<b>\$ 5,968,115,522</b>
(Cost \$6,297,227,509) – 99.2%		
<b>Other assets and liabilities, net – 0.8%</b>		<b>48,654,024</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 6,016,769,546</b>

## Select Bond Trust (continued)

### Security Abbreviations and Legend

CME	CME Group Published Rates
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 \$981,143,310 or 16.3% of the fund's net assets as of 12-31-23.
(C)	All or a portion of this security is on loan as of 12-31-23.
(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.
(G)	The rate shown is the annualized seven-day yield as of 12-31-23.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$1,821,613.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
10-Year U.S. Treasury Note Futures	182	Long	Mar 2024	\$20,603,291	\$20,546,094	\$(57,197)
Ultra U.S. Treasury Bond Futures	57	Long	Mar 2024	6,954,124	7,614,844	660,720
						<b>\$603,523</b>

<sup>^</sup> 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 — December 31, 2023 (showing percentage of total net assets)

## Short Term Government Income Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 95.4%</b>		
<b>U.S. Government – 43.5%</b>		
U.S. Treasury Notes		
0.625%, 07/31/2026	\$ 1,000,000	\$ 915,977
0.875%, 06/30/2026	1,800,000	1,664,508
1.125%, 10/31/2026	2,500,000	2,306,934
3.500%, 01/31/2028	17,150,000	16,879,350
3.750%, 04/15/2026	10,744,000	10,644,114
4.000%, 02/15/2026 to 02/29/2028	4,000,000	3,997,422
4.250%, 10/15/2025	2,500,000	2,495,313
4.375%, 08/15/2026 to 11/30/2028	32,802,000	33,320,273
4.625%, 03/15/2026	1,675,000	1,689,525
		73,913,416
<b>U.S. Government Agency – 51.9%</b>		
Federal Farm Credit Bank		
0.500%, 12/23/2025 to 02/04/2026	10,000,000	9,236,794
0.680%, 01/13/2027	6,000,000	5,400,047
1.600%, 12/14/2026	2,000,000	1,848,863
3.370%, 12/08/2025	2,000,000	1,955,941
Federal Home Loan Bank		
0.650%, 02/26/2026	6,000,000	5,546,174
0.700%, 01/28/2026	7,000,000	6,498,813
0.900%, 02/26/2027	2,000,000	1,805,060
1.000%, 03/23/2026	1,950,000	1,811,386
1.100%, 07/13/2026 to 08/20/2026	3,000,000	2,764,200
2.750%, 03/25/2027	2,600,000	2,485,255
3.250%, 06/09/2025	2,415,000	2,376,234
3.500%, 05/19/2025	4,000,000	3,952,535
4.130%, 08/28/2025	2,500,000	2,487,221
5.000%, 09/14/2027	1,500,000	1,486,288
Federal Home Loan Mortgage Corp.		
0.375%, 09/23/2025	3,060,000	2,855,984
0.640%, 11/24/2025	2,000,000	1,859,247
0.650%, 10/22/2025	2,000,000	1,866,403
0.700%, 12/23/2025	2,000,000	1,855,260
0.800%, 10/27/2026	2,000,000	1,813,521
1.500%, 02/12/2025	3,500,000	3,378,930
2.500%, 09/01/2034	1,387,609	1,292,263
3.000%, 07/01/2030 to 12/01/2032	1,484,324	1,426,560
3.500%, 04/01/2032	665,587	648,350
4.050%, 08/28/2025	2,000,000	1,987,308
4.250%, 08/25/2027	2,000,000	1,972,341
4.876%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.617%), 05/01/2045 (A)	265,719	269,494
7.000%, 04/01/2031 to 04/01/2032	207	214
Federal National Mortgage Association		
0.375%, 08/25/2025	5,000,000	4,674,586
0.625%, 04/22/2025	2,750,000	2,614,644
0.650%, 12/17/2025	2,000,000	1,854,583
2.500%, 10/01/2027 to 09/01/2034	1,678,362	1,571,803
3.000%, 03/01/2028 to 09/01/2034	3,984,302	3,832,948
3.500%, 07/01/2031 to 06/01/2034	2,678,828	2,603,755
6.500%, 01/01/2039	208,693	220,245
7.000%, 12/01/2026 to 01/01/2029	446	459
8.000%, 10/01/2024 to 09/01/2030	573	605
		88,254,314
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$168,161,103)</b>		<b>\$ 162,167,730</b>
<b>MUNICIPAL BONDS – 2.8%</b>		
City of Houston, GO (Texas)		
2.110%, 03/01/2025	1,000,000	967,165
City of New York, GO		
1.990%, 10/01/2026	1,000,000	934,251

## Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
County of Orange (Florida)		
2.280%, 01/01/2026	\$ 1,000,000	\$ 956,244
Los Angeles Unified School District, GO (California)		
1.540%, 09/15/2025	1,000,000	940,344
State of California, GO		
2.375%, 10/01/2026	1,000,000	947,037
<b>TOTAL MUNICIPAL BONDS (Cost \$4,996,909)</b>		<b>\$ 4,745,041</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 0.5%</b>		
<b>U.S. Government Agency – 0.5%</b>		
Federal Home Loan Mortgage Corp.		
Series K038, Class X1 IO		
1.051%, 03/25/2024	5,007,601	2,708
Government National Mortgage Association		
Series 2012-114, Class IO,		
0.622%, 01/16/2053	852,229	13,244
Series 2017-109, Class IO,		
0.230%, 04/16/2057	851,490	13,685
Series 2017-124, Class IO,		
0.627%, 01/16/2059	711,209	22,434
Series 2017-140, Class IO,		
0.486%, 02/16/2059	634,084	19,659
Series 2017-20, Class IO,		
0.527%, 12/16/2058	1,552,081	36,190
Series 2017-41, Class IO,		
0.585%, 07/16/2058	832,729	23,504
Series 2017-46, Class IO,		
0.645%, 11/16/2057	1,161,886	40,091
Series 2017-61, Class IO,		
0.745%, 05/16/2059	736,367	26,700
Series 2017-74, Class IO,		
0.438%, 09/16/2058	1,267,352	25,219
Series 2017-89, Class IO,		
0.493%, 07/16/2059	1,073,517	30,395
Series 2018-9, Class IO,		
0.443%, 01/16/2060	1,340,129	40,280
Series 2020-118, Class IO,		
0.882%, 06/16/2062	1,366,233	84,209
Series 2020-119, Class IO,		
0.602%, 08/16/2062	757,280	35,748
Series 2020-120, Class IO,		
0.762%, 05/16/2062	2,040,145	114,808
Series 2020-137, Class IO,		
0.796%, 09/16/2062	1,389,266	76,602
Series 2020-170, Class IO,		
0.834%, 11/16/2062	1,529,087	94,170
Series 2021-40, Class IO,		
0.824%, 02/16/2063	480,305	29,219
Series 2022-53, Class IO,		
0.711%, 06/16/2064	1,698,813	86,749
		815,614
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$3,031,736)</b>		<b>\$ 815,614</b>
<b>SHORT-TERM INVESTMENTS – 0.8%</b>		
<b>Short-term funds – 0.8%</b>		
John Hancock Collateral Trust,		
5.3645% (B)(C)	138,731	1,387,336
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$1,387,403)</b>		<b>\$ 1,387,336</b>
<b>Total Investments (Short Term Government Income Trust) (Cost \$177,577,151) – 99.5%</b>		<b>\$ 169,115,721</b>
<b>Other assets and liabilities, net – 0.5%</b>		<b>831,430</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 169,947,151</b>

# John Hancock Variable Insurance Trust

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

## Short Term Government Income Trust (continued)

### Security Abbreviations and Legend

GO	General Obligation
IBOR	Interbank Offered Rate
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	66	Long	Mar 2024	\$7,016,739	\$7,179,047	\$162,308
						<b>\$162,308</b>

<sup>^</sup> 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 (continued)

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

## Strategic Income Opportunities Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 15.0%</b>		
<b>U.S. Government – 11.0%</b>		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 4,548,000	\$ 2,992,620
2.375%, 02/15/2042	2,250,000	1,726,348
2.750%, 11/15/2042	995,000	804,590
3.000%, 02/15/2049 to 08/15/2052	8,210,000	6,689,647
3.625%, 02/15/2053	2,845,000	2,627,180
U.S. Treasury Notes		
0.500%, 02/28/2026	1,775,000	1,640,280
1.500%, 01/31/2027	4,680,000	4,344,173
1.875%, 02/15/2032	1,509,000	1,297,327
2.625%, 05/31/2027	1,015,000	971,466
2.750%, 08/15/2032	4,205,000	3,850,860
2.875%, 05/15/2032	10,035,000	9,298,831
3.500%, 02/15/2033	5,665,000	5,493,501
5.000%, 08/31/2025	925,000	933,527
		42,670,350
<b>U.S. Government Agency – 4.0%</b>		
Federal Home Loan Mortgage Corp.		
4.500%, 08/01/2052	838,938	814,656
5.000%, 08/01/2052 to 11/01/2052	2,701,708	2,701,374
5.500%, 11/01/2052 to 09/01/2053	5,339,711	5,425,406
Federal National Mortgage Association		
4.500%, 09/01/2052	1,977,873	1,931,753
5.000%, 11/01/2052	746,528	745,854
5.500%, 10/01/2052 to 12/01/2052	3,711,693	3,750,516
		15,369,559
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS</b> (Cost \$60,803,575)		<b>\$ 58,039,909</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS – 23.6%</b>		
<b>Australia – 1.8%</b>		
Commonwealth of Australia		
1.000%, 12/21/2030	AUD 905,000	510,609
New South Wales Treasury Corp.		
1.250%, 03/20/2025	1,370,000	902,607
1.500%, 02/20/2032	2,750,000	1,501,167
2.000%, 03/08/2033	765,000	421,910
Queensland Treasury Corp.		
1.750%, 07/20/2034 (A)	845,000	438,867
2.750%, 08/20/2027 (A)	910,000	596,369
5.250%, 07/21/2036 (A)	1,075,000	767,628

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Australia (continued)</b>		
South Australian Government Financing Authority		
4.750%, 05/24/2038	AUD 870,000	\$ 575,756
Treasury Corp. of Victoria		
2.250%, 11/20/2034	795,000	423,876
Western Australian Treasury Corp.		
1.500%, 10/22/2030	1,600,000	918,659
		7,057,448
<b>Austria – 0.4%</b>		
Republic of Austria		
2.900%, 02/20/2033 (A)	EUR 1,330,000	1,521,662
<b>Brazil – 0.9%</b>		
Federative Republic of Brazil		
10.000%, 01/01/2025 to 01/01/2027	BRL 17,410,000	3,587,764
<b>Canada – 2.3%</b>		
CPPIB Capital, Inc.		
2.250%, 12/01/2031 (A)	CAD 635,000	431,894
Government of Canada		
0.500%, 12/01/2030	905,000	573,584
1.250%, 03/01/2025	2,310,000	1,683,587
1.500%, 09/01/2024	885,000	654,107
Province of Alberta		
0.625%, 04/18/2025	EUR 670,000	716,596
Province of British Columbia		
4.200%, 07/06/2033	\$ 750,000	742,064
Province of Ontario		
1.350%, 12/02/2030	CAD 2,750,000	1,790,670
3.450%, 06/02/2045	1,060,000	733,124
Province of Quebec		
0.200%, 04/07/2025	EUR 465,000	494,667
4.500%, 09/08/2033	\$ 824,000	833,861
		8,654,154
<b>China – 0.2%</b>		
People's Republic of China		
2.690%, 08/12/2026	CNY 4,220,000	600,764
<b>Colombia – 0.2%</b>		
Republic of Colombia		
3.250%, 04/22/2032	\$ 590,000	468,271
4.500%, 03/15/2029	235,000	219,965
5.625%, 02/26/2044	235,000	197,286
		885,522

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Finland – 0.5%</b>		
Kuntarahoitus OYJ		
6.000%, (3 month NIBOR + 1.250%), 01/10/2025 (B)	NOK 7,000,000	\$ 696,528
Republic of Finland		
3.000%, 09/15/2033 (A)	EUR 1,205,000	1,376,893
		2,073,421
<b>Germany – 0.4%</b>		
Federal Republic of Germany		
3.250%, 07/04/2042	435,000	548,205
Federal Republic of Germany, Zero Coupon		
0.000%, 02/15/2031 to 05/15/2035	1,090,000	1,014,933
		1,563,138
<b>India – 1.1%</b>		
Export-Import Bank of India		
3.875%, 02/01/2028 (A)	\$ 630,000	604,797
Republic of India		
5.220%, 06/15/2025	INR 80,250,000	939,471
6.100%, 07/12/2031	33,840,000	380,978
6.450%, 10/07/2029	33,000,000	383,650
7.060%, 04/10/2028	45,750,000	548,952
7.260%, 02/06/2033	29,600,000	356,538
7.270%, 04/08/2026	15,300,000	184,380
7.380%, 06/20/2027	62,940,000	760,722
		4,159,488
<b>Indonesia – 3.4%</b>		
Perusahaan Penerbit SBSN Indonesia III		
4.150%, 03/29/2027 (A)	\$ 940,000	932,950
Republic of Indonesia		
1.100%, 03/12/2033	EUR 261,000	227,275
2.150%, 07/18/2024 (A)	740,000	806,506
3.050%, 03/12/2051	\$ 545,000	414,459
3.850%, 10/15/2030	405,000	385,661
5.125%, 04/15/2027	IDR 6,216,000,000	388,512
6.375%, 08/15/2028 to 04/15/2032	44,636,000,000	2,876,962
6.500%, 06/15/2025	41,210,000,000	2,676,868
6.625%, 05/15/2033	10,391,000,000	676,255
7.500%, 06/15/2035 to 05/15/2038	10,834,000,000	747,968
8.125%, 05/15/2024	3,514,000,000	229,294
8.375%, 09/15/2026	12,897,000,000	877,111
8.750%, 05/15/2031	17,423,000,000	1,264,862
9.000%, 03/15/2029	6,709,000,000	481,315
		12,985,998
<b>Ireland – 0.1%</b>		
Republic of Ireland		
1.100%, 05/15/2029	EUR 315,000	327,985
<b>Italy – 0.3%</b>		
Republic of Italy		
1.250%, 02/17/2026	\$ 1,032,000	953,933
<b>Japan – 0.8%</b>		
Government of Japan		
0.005%, 03/20/2027	JPY 107,000,000	757,214
0.100%, 06/20/2025	319,300,000	2,267,969
		3,025,183
<b>Malaysia – 1.4%</b>		
Government of Malaysia		
3.733%, 06/15/2028	MYR 1,930,000	421,172
3.828%, 07/05/2034	1,965,000	424,669
3.844%, 04/15/2033	6,033,000	1,312,668
3.882%, 03/14/2025	2,835,000	620,911
3.899%, 11/16/2027	3,370,000	740,476
3.900%, 11/30/2026	1,805,000	396,996
3.906%, 07/15/2026	3,855,000	847,548

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Malaysia (continued)</b>		
Government of Malaysia (continued)		
4.498%, 04/15/2030	MYR 3,215,000	\$ 729,274
		5,493,714
<b>Mexico – 1.5%</b>		
Government of Mexico		
5.000%, 03/06/2025	MXN 22,511,000	1,256,021
7.500%, 05/26/2033	46,370,000	2,473,058
7.750%, 05/29/2031	40,230,000	2,208,776
		5,937,855
<b>Netherlands – 0.3%</b>		
BNG Bank NV		
3.300%, 07/17/2028	AUD 1,775,000	1,157,237
<b>New Zealand – 2.1%</b>		
Government of New Zealand		
0.500%, 05/15/2024 to 05/15/2026	NZD 3,900,000	2,361,864
2.750%, 04/15/2025	690,000	424,073
3.500%, 04/14/2033	4,015,000	2,378,083
4.250%, 05/15/2034	1,070,000	669,194
New Zealand Local Government Funding Agency		
2.250%, 05/15/2031	220,000	116,952
3.000%, 05/15/2035	1,135,000	589,647
3.500%, 04/14/2033	1,785,000	1,009,082
4.700%, 08/01/2028	AUD 850,000	587,360
		8,136,255
<b>Norway – 1.2%</b>		
Kingdom of Norway		
1.250%, 09/17/2031 (A)	NOK 11,450,000	975,514
1.750%, 03/13/2025 to 02/17/2027 (A)	15,790,000	1,513,686
2.125%, 05/18/2032 (A)	10,990,000	991,513
Kommunalbanken AS		
4.250%, 07/16/2025	AUD 1,070,000	727,785
5.250%, 07/15/2024	764,000	522,195
		4,730,693
<b>Philippines – 1.7%</b>		
Republic of the Philippines		
0.875%, 05/17/2027	EUR 1,465,000	1,481,969
2.625%, 08/12/2025	PHP 88,455,000	1,515,008
3.625%, 09/09/2025	32,845,000	571,205
6.125%, 08/22/2028	50,410,000	918,313
6.250%, 01/14/2036	43,000,000	728,294
6.750%, 09/15/2032	49,410,000	936,402
8.000%, 09/30/2035	17,600,000	369,106
		6,520,297
<b>Qatar – 0.2%</b>		
State of Qatar		
4.817%, 03/14/2049 (A)	\$ 710,000	690,759
<b>Singapore – 0.3%</b>		
Republic of Singapore		
1.250%, 11/01/2026	SGD 200,000	144,644
3.375%, 09/01/2033	1,250,000	1,000,350
		1,144,994
<b>South Korea – 1.8%</b>		
Republic of Korea		
1.375%, 12/10/2029	KRW 557,700,000	389,620
2.125%, 06/10/2027	1,303,700,000	976,985
2.375%, 03/10/2027	4,227,830,000	3,201,236
3.125%, 09/10/2027	874,000,000	676,650
3.250%, 06/10/2033	1,308,000,000	1,013,955
4.250%, 12/10/2032	893,100,000	746,792
		7,005,238



# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>United Arab Emirates – 0.1%</b>		
Government of Abu Dhabi		
3.875%, 04/16/2050 (A)	\$ 475,000	\$ 397,813
<b>United Kingdom – 0.6%</b>		
Government of United Kingdom		
0.125%, 01/31/2024	GBP 260,000	330,117
0.250%, 01/31/2025	855,000	1,043,241
4.250%, 12/07/2027	750,000	985,356
		2,358,714
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$94,088,824)</b>		<b>\$ 90,970,029</b>
<b>CORPORATE BONDS – 43.6%</b>		
<b>Communication services – 4.1%</b>		
AT&T, Inc.		
0.900%, 03/25/2024	\$ 315,000	311,527
Cellnex Telecom SA		
1.875%, 06/26/2029	EUR 500,000	502,979
Charter Communications Operating LLC		
2.800%, 04/01/2031	\$ 230,000	193,996
5.125%, 07/01/2049	1,395,000	1,132,947
5.750%, 04/01/2048	790,000	701,108
Globo Comunicacao e Participacoes SA		
5.500%, 01/14/2032 (A)	550,000	472,271
LCPR Senior Secured Financing DAC		
5.125%, 07/15/2029 (A)	785,000	683,841
Match Group Holdings II LLC		
4.125%, 08/01/2030 (A)	705,000	639,721
News Corp.		
3.875%, 05/15/2029 (A)	1,685,000	1,549,306
Sirius XM Radio, Inc.		
4.125%, 07/01/2030 (A)	1,435,000	1,278,696
T-Mobile USA, Inc.		
2.625%, 02/15/2029	690,000	621,189
2.875%, 02/15/2031	400,000	352,451
3.375%, 04/15/2029	470,000	436,679
3.500%, 04/15/2031	950,000	868,480
Virgin Media Finance PLC		
5.000%, 07/15/2030 (A)	720,000	634,797
Virgin Media Secured Finance PLC		
4.500%, 08/15/2030 (A)	670,000	596,501
5.500%, 05/15/2029 (A)	1,161,000	1,121,807
Vmed O2 UK Financing I PLC		
3.250%, 01/31/2031 (A)	EUR 735,000	744,463
4.250%, 01/31/2031 (A)	\$ 1,455,000	1,270,571
WMG Acquisition Corp.		
3.000%, 02/15/2031 (A)	1,910,000	1,637,097
		15,750,427
<b>Consumer discretionary – 5.7%</b>		
Carnival Corp.		
5.750%, 03/01/2027 (A)	1,165,000	1,136,380
Duke University		
3.299%, 10/01/2046	781,000	623,458
Ford Motor Company		
3.250%, 02/12/2032	870,000	723,582
Ford Motor Credit Company LLC		
2.748%, 06/14/2024	GBP 316,000	396,741
2.900%, 02/16/2028	\$ 360,000	323,199
3.625%, 06/17/2031	1,011,000	871,632
4.000%, 11/13/2030	255,000	228,808
4.125%, 08/17/2027	205,000	194,070
4.950%, 05/28/2027	1,430,000	1,395,034
Hilton Domestic Operating Company, Inc.		
3.625%, 02/15/2032 (A)	485,000	423,264
4.875%, 01/15/2030	1,105,000	1,070,918

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Hyatt Hotels Corp.		
5.750%, 04/23/2030	\$ 1,104,000	\$ 1,140,684
Massachusetts Institute of Technology		
2.989%, 07/01/2050	465,000	348,315
MGM Resorts International		
4.750%, 10/15/2028	105,000	100,043
New Red Finance, Inc.		
3.500%, 02/15/2029 (A)	1,918,000	1,768,314
3.875%, 01/15/2028 (A)	970,000	916,382
4.000%, 10/15/2030 (A)	2,424,000	2,174,083
Premier Entertainment Sub LLC		
5.625%, 09/01/2029 (A)	210,000	168,000
5.875%, 09/01/2031 (A)	503,000	392,340
President and Fellows of Harvard College		
2.517%, 10/15/2050	1,020,000	688,542
Royal Caribbean Cruises, Ltd.		
5.500%, 04/01/2028 (A)	1,235,000	1,219,265
11.625%, 08/15/2027 (A)	264,000	287,277
Travel + Leisure Company		
4.500%, 12/01/2029 (A)	895,000	801,549
6.625%, 07/31/2026 (A)	372,000	375,257
Yum! Brands, Inc.		
3.625%, 03/15/2031	2,095,000	1,889,259
4.625%, 01/31/2032	875,000	818,212
4.750%, 01/15/2030 (A)	1,773,000	1,718,604
		22,193,212
<b>Consumer staples – 2.7%</b>		
Becle SAB de CV		
2.500%, 10/14/2031 (A)	795,000	639,760
Darling Ingredients, Inc.		
6.000%, 06/15/2030 (A)	1,485,000	1,486,099
JBS USA LUX SA		
3.625%, 01/15/2032	1,070,000	917,281
5.750%, 04/01/2033	735,000	728,081
Kraft Heinz Foods Company		
4.375%, 06/01/2046	1,445,000	1,261,180
6.875%, 01/26/2039	735,000	847,353
7.125%, 08/01/2039 (A)	975,000	1,155,027
MARB BondCo PLC		
3.950%, 01/29/2031 (A)	1,205,000	978,248
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (A)	205,000	207,347
Post Holdings, Inc.		
4.500%, 09/15/2031 (A)	515,000	461,515
5.500%, 12/15/2029 (A)	285,000	274,617
5.625%, 01/15/2028 (A)	1,445,000	1,431,927
		10,388,435
<b>Energy – 7.2%</b>		
Aker BP ASA		
3.750%, 01/15/2030 (A)	955,000	876,841
Cenovus Energy, Inc.		
3.500%, 02/07/2028	CAD 510,000	370,581
5.250%, 06/15/2037	\$ 73,000	69,716
5.400%, 06/15/2047	462,000	436,092
6.750%, 11/15/2039	1,986,000	2,162,230
Cheniere Energy Partners LP		
4.000%, 03/01/2031	2,067,000	1,879,198
Civitas Resources, Inc.		
8.750%, 07/01/2031 (A)	1,000,000	1,064,547
Columbia Pipelines Operating Company LLC		
6.036%, 11/15/2033 (A)	240,000	251,345
Continental Resources, Inc.		
2.875%, 04/01/2032 (A)	1,936,000	1,570,552

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

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Continental Resources, Inc. (continued)		
5.750%, 01/15/2031 (A)	\$ 1,490,000	\$ 1,483,234
Ecopetrol SA		
4.625%, 11/02/2031	435,000	369,033
5.375%, 06/26/2026	230,000	225,474
5.875%, 05/28/2045	235,000	185,616
6.875%, 04/29/2030	670,000	663,954
Enbridge, Inc.		
3.125%, 11/15/2029	1,200,000	1,094,661
8.500%, (8.500% to 1-15-34, then 5 Year CMT + 4.431% to 1-15-54, then 5 Year CMT + 5.181%), 01/15/2084	860,000	914,736
EQT Corp.		
3.625%, 05/15/2031 (A)	1,860,000	1,661,110
3.900%, 10/01/2027	325,000	310,910
Kinder Morgan, Inc.		
5.300%, 12/01/2034	230,000	228,226
MC Brazil Downstream Trading SARL		
7.250%, 06/30/2031 (A)	922,770	723,221
Medco Oak Tree Pte, Ltd.		
7.375%, 05/14/2026 (A)	1,107,000	1,096,760
Occidental Petroleum Corp.		
3.200%, 08/15/2026	154,000	145,145
6.125%, 01/01/2031	955,000	991,469
6.625%, 09/01/2030	1,160,000	1,233,672
7.500%, 05/01/2031	565,000	633,560
Ovintiv, Inc.		
6.500%, 08/15/2034 to 02/01/2038	1,560,000	1,641,297
Pertamina Persero PT		
3.100%, 01/21/2030 (A)	255,000	231,649
3.650%, 07/30/2029 (A)	295,000	278,077
Petrorio Luxembourg Trading Sarl		
6.125%, 06/09/2026 (A)	505,000	495,679
QatarEnergy		
2.250%, 07/12/2031 (A)	935,000	795,021
3.300%, 07/12/2051 (A)	295,000	215,350
Southwestern Energy Company		
5.700%, 01/23/2025	17,000	16,932
The Williams Companies, Inc.		
3.500%, 11/15/2030	80,000	73,245
TransCanada PipeLines, Ltd.		
4.100%, 04/15/2030	1,460,000	1,388,768
Transcontinental Gas Pipe Line Company LLC		
3.250%, 05/15/2030	80,000	72,515
Var Energi ASA		
7.500%, 01/15/2028 (A)	680,000	720,633
Western Midstream Operating LP		
4.300%, 02/01/2030	1,180,000	1,103,466
		27,674,515
<b>Financials – 6.7%</b>		
American International Group, Inc.		
8.175%, (8.175% to 5-15-38, then 3 month LIBOR + 4.195%), 05/15/2068	1,700,000	1,866,056
Asian Development Bank		
3.000%, 10/14/2026	AUD 565,000	373,596
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	923,189
Berkshire Hathaway Finance Corp.		
2.375%, 06/19/2039	GBP 610,000	577,069
European Investment Bank		
0.250%, 01/20/2032	EUR 1,380,000	1,274,635

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Fidelity National Information Services, Inc.		
1.000%, 12/03/2028	EUR 425,000	\$ 423,059
Inter-American Development Bank		
2.700%, 01/29/2026	AUD 582,000	384,980
2.750%, 10/30/2025	500,000	331,988
4.600%, 03/01/2029	CAD 650,000	515,551
International Bank for Reconstruction & Development		
1.200%, 08/08/2034	EUR 1,940,000	1,854,344
1.250%, 03/16/2026	NOK 2,920,000	272,335
1.800%, 01/19/2027	CAD 625,000	445,375
1.900%, 01/16/2025	1,065,000	780,178
4.250%, 09/18/2030	505,000	396,580
5.000%, 06/22/2026	NZD 1,905,000	1,214,359
International Development Association		
1.750%, 02/17/2027	NOK 2,750,000	255,711
International Finance Corp.		
0.375%, 09/10/2025	NZD 1,240,000	726,684
4.600%, 10/19/2028	AUD 895,000	617,847
KfW		
2.875%, 02/17/2027	NOK 2,280,000	219,857
MSCI, Inc.		
3.250%, 08/15/2033 (A)	\$ 390,000	325,957
3.625%, 09/01/2030 to 11/01/2031 (A)	2,874,000	2,567,241
3.875%, 02/15/2031 (A)	765,000	698,966
Nordea Eiendoms-kreditt AS		
5.120%, (3 month NIBOR + 0.340%), 06/19/2024 (B)	NOK 8,000,000	788,417
Nordic Investment Bank		
1.875%, 04/10/2024	3,920,000	382,833
3.000%, 08/23/2027	5,180,000	501,849
4.000%, 11/04/2026	2,000,000	198,201
Popular, Inc.		
7.250%, 03/13/2028	\$ 750,000	771,563
QNB Finance, Ltd.		
3.500%, 03/28/2024	330,000	327,968
Royal Bank of Canada		
4.200%, (4.200% to 2-24-27, then 5 Year Canada Government Bond Yield + 2.710%), 02/24/2027 (C)	CAD 615,000	355,568
The Asian Infrastructure Investment Bank		
0.200%, 12/15/2025	GBP 630,000	742,270
The Bank of Nova Scotia		
8.625%, (8.625% to 10-27-27, then 5 Year CMT + 4.389%), 10/27/2082	\$ 1,085,000	1,127,214
The Goldman Sachs Group, Inc.		
0.250%, 01/26/2028	EUR 275,000	268,747
2.000%, 11/01/2028	513,000	535,009
The Toronto-Dominion Bank		
2.667%, 09/09/2025	CAD 1,422,000	1,037,656
8.125%, (8.125% to 10-31-27, then 5 Year CMT + 4.075%), 10/31/2082	\$ 1,215,000	1,264,559
U.S. Bancorp		
3.700%, (3.700% to 1-15-27, then 5 Year CMT + 2.541%), 01/15/2027 (C)	637,000	500,061
		25,847,472
<b>Health care – 3.0%</b>		
Allergan Funding SCS		
2.625%, 11/15/2028	EUR 300,000	310,635
Centene Corp.		
2.500%, 03/01/2031	\$ 905,000	754,011
3.000%, 10/15/2030	1,795,000	1,554,548
3.375%, 02/15/2030	1,765,000	1,583,611

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Centene Corp. (continued)		
4.625%, 12/15/2029	\$ 260,000	\$ 249,269
HCA, Inc.		
3.500%, 09/01/2030	3,998,000	3,624,292
4.125%, 06/15/2029	1,175,000	1,123,440
5.500%, 06/01/2033	715,000	726,227
Rede D'or Finance Sarl		
4.500%, 01/22/2030 (A)	367,000	332,389
4.950%, 01/17/2028 (A)	310,000	294,113
Thermo Fisher Scientific, Inc.		
0.500%, 03/01/2028	EUR 650,000	651,886
UnitedHealth Group, Inc.		
0.550%, 05/15/2024	\$ 395,000	387,863
		11,592,284
<b>Industrials – 4.7%</b>		
<b>AECOM</b>		
5.125%, 03/15/2027	1,460,000	1,449,486
Airbus SE		
1.625%, 06/09/2030	EUR 255,000	260,033
American Airlines, Inc.		
5.500%, 04/20/2026 (A)	\$ 975,000	967,967
5.750%, 04/20/2029 (A)	790,000	770,062
DAE Funding LLC		
3.375%, 03/20/2028 (A)	640,000	588,500
Delta Air Lines 2020-1 Class A Pass Through Trust		
2.500%, 06/10/2028	369,222	325,601
Delta Air Lines, Inc.		
2.900%, 10/28/2024	540,000	525,595
4.750%, 10/20/2028 (A)	3,217,000	3,163,882
7.375%, 01/15/2026	165,000	170,569
Indian Railway Finance Corp., Ltd.		
3.249%, 02/13/2030 (A)	645,000	581,983
Johnson Controls International PLC		
0.375%, 09/15/2027	EUR 240,000	239,142
Singapore Airlines, Ltd.		
3.375%, 01/19/2029	\$ 420,000	393,040
The Boeing Company		
5.150%, 05/01/2030	2,425,000	2,468,677
5.805%, 05/01/2050	850,000	880,218
TransDigm, Inc.		
7.125%, 12/01/2031 (A)	1,779,000	1,864,241
Uber Technologies, Inc.		
8.000%, 11/01/2026 (A)	500,000	509,276
United Rentals North America, Inc.		
3.875%, 02/15/2031	1,120,000	1,017,632
4.000%, 07/15/2030	660,000	607,924
4.875%, 01/15/2028	530,000	517,407
6.000%, 12/15/2029 (A)	670,000	680,230
		17,981,465
<b>Information technology – 0.4%</b>		
<b>CDW LLC</b>		
4.250%, 04/01/2028	165,000	158,017
Dell International LLC		
8.350%, 07/15/2046	541,000	710,477
Gartner, Inc.		
3.750%, 10/01/2030 (A)	690,000	609,940
		1,478,434
<b>Materials – 3.8%</b>		
<b>Ardagh Metal Packaging Finance USA LLC</b>		
3.250%, 09/01/2028 (A)	960,000	839,830
Ball Corp.		
2.875%, 08/15/2030	2,440,000	2,093,483

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Ball Corp. (continued)		
6.875%, 03/15/2028	\$ 1,120,000	\$ 1,163,570
Berry Global, Inc.		
5.625%, 07/15/2027 (A)	590,000	585,596
Braskem Netherlands Finance BV		
4.500%, 01/31/2030 (A)	570,000	442,413
5.875%, 01/31/2050 (A)	585,000	405,360
Cemex SAB de CV		
3.875%, 07/11/2031 (A)	1,355,000	1,211,866
Cleveland-Cliffs, Inc.		
4.875%, 03/01/2031 (A)	467,000	421,965
6.750%, 04/15/2030 (A)	1,690,000	1,713,795
CSN Islands XI Corp.		
6.750%, 01/28/2028 (A)	835,000	815,729
Freeport-McMoRan, Inc.		
4.125%, 03/01/2028	140,000	133,938
4.625%, 08/01/2030	490,000	478,836
5.400%, 11/14/2034	495,000	498,253
5.450%, 03/15/2043	1,905,000	1,853,260
FS Luxembourg Sarl		
10.000%, 12/15/2025 (A)	435,000	446,104
Indonesia Asahan Aluminium Persero PT		
4.750%, 05/15/2025 (A)	1,290,000	1,273,875
Sealed Air Corp.		
5.000%, 04/15/2029 (A)	425,000	410,981
		14,788,854
<b>Real estate – 2.4%</b>		
<b>American Tower Corp.</b>		
0.500%, 01/15/2028	EUR 270,000	265,507
American Tower Trust I		
5.490%, 03/15/2028 (A)	\$ 730,000	740,436
Boston Properties LP		
2.750%, 10/01/2026	134,000	124,287
Host Hotels & Resorts LP		
3.375%, 12/15/2029	950,000	852,499
3.500%, 09/15/2030	240,000	214,109
SBA Communications Corp.		
3.125%, 02/01/2029	1,305,000	1,172,538
3.875%, 02/15/2027	2,400,000	2,304,753
SBA Tower Trust		
6.599%, 01/15/2028 (A)	950,000	976,383
VICI Properties LP		
4.125%, 08/15/2030 (A)	895,000	815,278
4.625%, 12/01/2029 (A)	785,000	739,666
5.125%, 05/15/2032	925,000	901,693
		9,107,149
<b>Utilities – 2.9%</b>		
<b>Brazos Securitization LLC</b>		
5.014%, 03/01/2034 (A)	665,905	658,566
5.413%, 09/01/2052 (A)	860,000	878,919
DPL, Inc.		
4.125%, 07/01/2025	1,330,000	1,296,750
E.ON SE		
0.375%, 09/29/2027	EUR 315,000	317,318
EDP Finance BV		
0.375%, 09/16/2026	130,000	133,609
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	1,194,648
FirstEnergy Corp.		
4.150%, 07/15/2027	1,170,000	1,125,311
7.375%, 11/15/2031	1,355,000	1,598,511

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Greenko Dutch BV 3.850%, 03/29/2026 (A)	\$ 568,875	\$ 529,111
Greenko Solar Mauritius, Ltd. 5.550%, 01/29/2025 (A)	430,000	419,078
Greenko Wind Projects Mauritius, Ltd. 5.500%, 04/06/2025 (A)	775,000	756,013
Israel Electric Corp., Ltd. 3.750%, 02/22/2032 (A)	490,000	414,246
Perusahaan Perseroan Persero PT Perusahaan Listrik Negara 4.125%, 05/15/2027 (A)	1,440,000	1,400,400
The AES Corp. 3.950%, 07/15/2030 (A)	160,000	147,727
United Electric Securitization LLC 5.109%, 06/01/2033 (A)	159,085	158,561
		11,028,768
<b>TOTAL CORPORATE BONDS (Cost \$178,110,909)</b>		<b>\$ 167,831,015</b>
<b>CONVERTIBLE BONDS – 2.7%</b>		
<b>Communication services – 0.7%</b>		
Liberty Broadband Corp. 3.125%, 03/31/2053 (A)	2,135,000	2,109,594
Liberty Media Corp. 2.375%, 09/30/2053 (A)	530,000	572,930
		2,682,524
<b>Consumer discretionary – 0.4%</b>		
Burlington Stores, Inc. 1.250%, 12/15/2027 (A)	730,000	821,615
Marriott Vacations Worldwide Corp. 3.250%, 12/15/2027	755,000	667,798
		1,489,413
<b>Industrials – 1.1%</b>		
Air Canada 4.000%, 07/01/2025	665,000	746,256
American Airlines Group, Inc. 6.500%, 07/01/2025	1,395,000	1,544,963
Southwest Airlines Company 1.250%, 05/01/2025	915,000	924,608
Uber Technologies, Inc. 0.875%, 12/01/2028 (A)	901,000	979,838
		4,195,665
<b>Utilities – 0.5%</b>		
American Water Capital Corp. 3.625%, 06/15/2026 (A)	1,005,000	1,003,493
CenterPoint Energy, Inc. 4.250%, 08/15/2026 (A)	1,120,000	1,125,040
		2,128,533
<b>TOTAL CONVERTIBLE BONDS (Cost \$11,023,640)</b>		<b>\$ 10,496,135</b>
<b>MUNICIPAL BONDS – 2.3%</b>		
Alaska Municipal Bond Bank Authority 5.000%, 12/01/2053	385,000	400,776
Alaska Municipal Bond Bank Authority 5.250%, 12/01/2048	55,000	59,352
Board of Regents of the University of Texas System 2.439%, 08/15/2049	1,210,000	808,213
City of Alexandria, GO (Virginia) 4.000%, 12/15/2053	25,000	25,300
City of Decatur (Illinois) 4.000%, 03/01/2040	10,000	10,089

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
City of Norfolk (Virginia) 1.804%, 10/01/2031	\$ 410,000	\$ 337,767
City of San Antonio (Texas) 5.718%, 02/01/2041	240,000	256,091
Colorado Health Facilities Authority 5.000%, 08/01/2044	15,000	15,621
Commonwealth of Massachusetts 2.900%, 09/01/2049	595,000	434,776
Isle of Wight County Economic Development Authority (Virginia) 4.750%, 07/01/2053	65,000	67,594
Isle of Wight County Economic Development Authority (Virginia) 5.250%, 07/01/2048	30,000	33,019
Isle of Wight County Economic Development Authority (Virginia) 5.250%, 07/01/2053	40,000	43,703
Louisiana Local Government Environmental Facilities & Community Development Authority 5.198%, 12/01/2039	730,000	751,150
Main Street Natural Gas, Inc. (Georgia) 5.000%, 05/15/2035	75,000	82,805
Massachusetts Educational Financing Authority 5.950%, 07/01/2044	870,000	892,566
Massachusetts School Building Authority 2.950%, 05/15/2043	370,000	271,769
Massachusetts Water Resources Authority 3.124%, 08/01/2039	775,000	634,557
North Carolina Agricultural & Technical State University 5.000%, 10/01/2052	70,000	76,572
South Carolina Public Service Authority 5.740%, 01/01/2030	245,000	253,192
State Board of Administration Finance Corp. (Florida) 2.154%, 07/01/2030	333,000	284,049
State of Texas 5.235%, 10/01/2043	940,000	962,223
University of Nebraska Facilities Corp. 3.037%, 10/01/2049	335,000	256,759
University of Virginia 2.256%, 09/01/2050	1,930,000	1,221,699
University of Washington 2.618%, 04/01/2042	805,000	582,121
Washington Suburban Sanitary Commission (Maryland) 4.000%, 06/01/2039	20,000	20,456
<b>TOTAL MUNICIPAL BONDS (Cost \$8,673,210)</b>		<b>\$ 8,782,219</b>
<b>TERM LOANS (D) – 0.7%</b>		
<b>Industrials – 0.7%</b>		
AAAdvantage Loyalty IP, Ltd., 2021 Term Loan (3 month CME Term SOFR + 4.750%) 10.427%, 04/20/2028	544,500	558,624
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month CME Term SOFR + 5.250%) 10.770%, 06/21/2027	757,167	782,047
United Airlines, Inc., 2021 Term Loan B (1 month CME Term SOFR + 3.750%) 9.220%, 04/21/2028	1,409,658	1,412,787
		2,753,458
<b>TOTAL TERM LOANS (Cost \$2,762,401)</b>		<b>\$ 2,753,458</b>

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 5.5%</b>		
<b>Commercial and residential – 3.1%</b>		
Arroyo Mortgage Trust		
Series 2019-1, Class A1 3.805%, 01/25/2049 (A)(E)	\$ 243,196	\$ 232,111
BOCA Commercial Mortgage Trust		
Series 2022-BOCA, Class B (1 month CME Term SOFR + 2.319%) 7.681%, 05/15/2039 (A)(B)	300,000	297,734
BX Commercial Mortgage Trust		
Series 2019-XL, Class A (1 month CME Term SOFR + 1.034%), 6.396%, 10/15/2036 (A)(B)	922,290	919,945
Series 2021-CIP, Class A (1 month CME Term SOFR + 1.035%), 6.397%, 12/15/2038 (A)(B)	740,000	724,443
Series 2021-VOLT, Class A (1 month CME Term SOFR + 0.814%), 6.176%, 09/15/2036 (A)(B)	535,000	521,229
BX Trust		
Series 2022-CLS, Class A, 5.760%, 10/13/2027 (A)	595,000	595,352
Series 2022-GPA, Class A (1 month CME Term SOFR + 2.165%), 7.527%, 08/15/2039 (A)(B)	795,000	795,747
Series 2022-GPA, Class B (1 month CME Term SOFR + 2.664%), 8.026%, 08/15/2041 (A)(B)	480,000	480,451
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class A (1 month CME Term SOFR + 1.117%) 6.729%, 12/15/2037 (A)(B)	364,300	361,779
Citigroup Commercial Mortgage Trust		
Series 2023-SMRT, Class A 5.820%, 10/12/2040 (A)(E)	470,000	475,775
COLT Mortgage Loan Trust		
Series 2022-5, Class A1 4.550%, 04/25/2067 (A)(E)	323,480	317,061
Credit Suisse Mortgage Capital Certificates		
Series 2019-ICE4, Class A (1 month CME Term SOFR + 1.027%), 6.389%, 05/15/2036 (A)(B)	1,032,431	1,032,451
Series 2019-NQM1, Class A1, 3.656%, 10/25/2059 (A)	65,211	63,377
GCAT Trust		
Series 2022-NQM4, Class A1 (5.269% to 8-1-26, then 6.269% thereafter) 5.269%, 08/25/2067 (A)	365,045	359,336
HarborView Mortgage Loan Trust		
Series 2007-3, Class ES IO, 0.350%, 05/19/2037 (A)	3,126,716	32,626
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	3,175,803	41,834
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (A)	3,298,495	41,242
InTown Mortgage Trust		
Series 2022-STAY, Class B (1 month CME Term SOFR + 3.286%) 8.648%, 08/15/2039 (A)(B)	640,000	643,084
Life Mortgage Trust		
Series 2022-BMR2, Class A1 (1 month CME Term SOFR + 1.295%), 6.657%, 05/15/2039 (A)(B)	1,155,000	1,129,013

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Life Mortgage Trust (continued)		
Series 2022-BMR2, Class B (1 month CME Term SOFR + 1.794%), 7.156%, 05/15/2039 (A)(B)	\$ 1,090,000	\$ 1,062,656
Morgan Stanley Mortgage Loan Trust		
Series 2004-9, Class 1A 5.293%, 11/25/2034 (E)	64,887	65,336
SCOTT Trust		
Series 2023-SFS, Class AS 6.204%, 03/15/2040 (A)	300,000	295,954
Verus Securitization Trust		
Series 2022-4, Class A2, 4.740%, 04/25/2067 (A)(E)	434,261	417,378
Series 2022-8, Class A3 (6.127% to 10-1-26, then 7.127% thereafter), 6.127%, 09/25/2067 (A)	273,129	271,179
Series 2022-INV1, Class A1 (5.041% to 8-1-26, then 6.041% thereafter), 5.041%, 08/25/2067 (A)	758,767	748,185
		11,925,278
<b>U.S. Government Agency – 2.4%</b>		
Federal Home Loan Mortgage Corp.		
Series 2022-DNA3, Class M1A (30 day Average SOFR + 2.000%), 7.337%, 04/25/2042 (A)(B)	524,892	529,662
Series 2022-DNA4, Class M1A (30 day Average SOFR + 2.200%), 7.537%, 05/25/2042 (A)(B)	624,046	632,813
Series 2022-DNA4, Class M1B (30 day Average SOFR + 3.350%), 8.687%, 05/25/2042 (A)(B)	1,165,000	1,211,412
Series 2022-DNA6, Class M1A (30 day Average SOFR + 2.150%), 7.487%, 09/25/2042 (A)(B)	606,898	612,492
Series 2022-DNA7, Class M1A (30 day Average SOFR + 2.500%), 7.837%, 03/25/2052 (A)(B)	470,819	478,191
Series 2022-HQA1, Class M1B (30 day Average SOFR + 3.500%), 8.837%, 03/25/2042 (A)(B)	365,000	377,928
Series 2022-HQA3, Class M1B (30 day Average SOFR + 3.550%), 8.887%, 08/25/2042 (A)(B)	540,000	558,296
Federal National Mortgage Association		
Series 2021-R02, Class 2B2 (30 day Average SOFR + 6.200%), 11.537%, 11/25/2041 (A)(B)	285,000	293,089
Series 2022-R01, Class 1M1 (30 day Average SOFR + 1.000%), 6.337%, 12/25/2041 (A)(B)	187,515	187,022
Series 2022-R03, Class 1M1 (30 day Average SOFR + 2.100%), 7.437%, 03/25/2042 (A)(B)	81,611	82,565
Series 2022-R04, Class 1M1 (30 day Average SOFR + 2.000%), 7.337%, 03/25/2042 (A)(B)	161,864	163,392
Series 2022-R05, Class 2M2 (30 day Average SOFR + 3.000%), 8.337%, 04/25/2042 (A)(B)	1,420,000	1,444,944
Series 2022-R06, Class 1M1 (30 day Average SOFR + 2.750%), 8.087%, 05/25/2042 (A)(B)	305,339	313,909

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2022-R09, Class 2M1 (30 day Average SOFR + 2.500%), 7.837%, 09/25/2042 (A)(B)	\$ 583,377	\$ 593,522
Series 2023-R01, Class 1M1 (30 day Average SOFR + 2.400%), 7.737%, 12/25/2042 (A)(B)	450,377	459,024
Series 2023-R03, Class 2M2 (30 day Average SOFR + 3.900%), 9.237%, 04/25/2043 (A)(B)	695,000	744,684
Series 2023-R06, Class 1M2 (30 day Average SOFR + 2.700%), 8.037%, 07/25/2043 (A)(B)	450,000	458,551
		9,141,496
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$20,812,027)		<b>\$ 21,066,774</b>
<b>ASSET BACKED SECURITIES – 1.6%</b>		
DataBank Issuer		
Series 2023-1A, Class A2 5.116%, 02/25/2053 (A)	510,000	478,193
DB Master Finance LLC		
Series 2019-1A, Class A2II 4.021%, 05/20/2049 (A)	464,388	447,042
Domino's Pizza Master Issuer LLC		
Series 2015-1A, Class A2II 4.474%, 10/25/2045 (A)	841,650	823,199
FirstKey Homes Trust		
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (A)	524,055	485,751
Home Partners of America Trust		
Series 2019-1, Class B 3.157%, 09/17/2039 (A)	335,095	304,821
MVW Owner Trust		
Series 2018-1A, Class A 3.450%, 01/21/2036 (A)	88,123	86,727
OCCU Auto Receivables Trust		
Series 2022-1A, Class A3 5.500%, 10/15/2027 (A)	605,000	605,421
Taco Bell Funding LLC		
Series 2016-1A, Class A23 4.970%, 05/25/2046 (A)	1,462,500	1,439,865
Texas Natural Gas Securitization Finance Corp.		
Series 2023-1, Class A2 5.169%, 04/01/2041	970,000	1,002,387
T-Mobile US Trust		
Series 2022-1A, Class A 4.910%, 05/22/2028 (A)	720,000	718,520
<b>TOTAL ASSET BACKED SECURITIES (Cost</b> <b>\$6,466,457)</b>		<b>\$ 6,391,926</b>
<b>PREFERRED SECURITIES – 0.5%</b>		
<b>Utilities – 0.5%</b>		
NextEra Energy, Inc., 6.926% (F)	51,700	1,970,804
<b>TOTAL PREFERRED SECURITIES (Cost \$2,520,375)</b>		<b>\$ 1,970,804</b>

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS – 3.7%</b>		
<b>Short-term funds – 3.7%</b>		
John Hancock Collateral Trust, 5.3645% (G)(H)	1,420,790	\$ 14,208,187
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$14,208,439)</b>		<b>\$ 14,208,187</b>
<b>Total Investments (Strategic Income Opportunities Trust)</b> <b>(Cost \$399,469,857) – 99.2%</b>		<b>\$ 382,510,456</b>
<b>Other assets and liabilities, net – 0.8%</b>		<b>2,945,652</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 385,456,108</b>

### Currency Abbreviations

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	CME Group Published Rates
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
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 \$116,273,494 or 30.2% of the fund's net assets as of 12-31-23.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(D)	Term loans are variable rate obligations. The rate shown represents the rate at period end.
(E)	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.
(F)	All or a portion of this security is on loan as of 12-31-23.
(G)	The rate shown is the annualized seven-day yield as of 12-31-23.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$2,006,290.

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

### DERIVATIVES

#### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
German Euro BUND Futures	9	Long	Mar 2024	\$1,349,209	\$1,363,356	\$14,147
10-Year U.S. Treasury Note Futures	147	Short	Mar 2024	(16,131,248)	(16,594,922)	(463,674)
2-Year U.S. Treasury Note Futures	16	Short	Mar 2024	(3,276,790)	(3,294,625)	(17,835)
Euro-BTP Italian Government Bond Futures	12	Short	Mar 2024	(1,557,043)	(1,578,428)	(21,385)
U.S. Treasury Long Bond Futures	52	Short	Mar 2024	(6,005,170)	(6,496,750)	(491,580)
						<b>\$(980,327)</b>

<sup>^</sup> 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 6,286,025	NZD 6,730,454	ANZ	1/17/2024	\$30,731	—
AUD 2,476,313	NZD 2,650,808	HUS	1/17/2024	12,474	—
AUD 3,174,000	NZD 3,396,180	SCB	1/17/2024	16,924	—
AUD 1,866,823	USD 1,202,164	BARC	1/17/2024	70,557	—
AUD 1,981,292	USD 1,301,788	GSI	1/17/2024	48,973	—
AUD 2,009,716	USD 1,324,130	JPM	1/17/2024	46,010	—
AUD 7,848,571	USD 5,095,167	MSCS	1/17/2024	255,658	—
CAD 648,160	EUR 435,000	SSB	1/17/2024	8,787	—
CAD 521,350	GBP 315,000	GSI	1/17/2024	—	\$(8,002)
CAD 1,081,956	USD 798,507	ANZ	1/17/2024	18,214	—
CAD 1,641,434	USD 1,185,836	BARC	1/17/2024	53,210	—
CAD 8,627,935	USD 6,335,836	CITI	1/17/2024	177,009	—
CAD 1,641,035	USD 1,185,836	HUS	1/17/2024	52,909	—
CAD 8,728,973	USD 6,354,472	JPM	1/17/2024	234,642	—
CAD 6,759,742	USD 4,944,179	MSCS	1/17/2024	158,450	—
CAD 3,798,141	USD 2,792,912	RBC	1/17/2024	74,136	—
CAD 13,575,263	USD 9,928,793	SSB	1/17/2024	318,571	—
CAD 6,000,079	USD 4,376,925	UBS	1/17/2024	152,271	—
CNY 2,302,149	USD 321,000	SSB	1/17/2024	3,947	—
EUR 435,000	JPY 70,061,200	BARC	1/17/2024	—	(17,346)
EUR 14,318,685	NOK 166,350,979	BARC	1/17/2024	—	(563,313)
EUR 1,461,190	NOK 17,268,633	CITI	1/17/2024	—	(86,322)
EUR 4,680,094	NOK 54,011,726	GSI	1/17/2024	—	(148,629)
EUR 5,038,832	NOK 58,481,922	JPM	1/17/2024	—	(192,522)
EUR 913,785	NOK 10,533,263	MSCS	1/17/2024	—	(27,791)
EUR 1,272,323	NOK 14,347,605	RBC	1/17/2024	—	(7,329)
EUR 1,922,716	NOK 22,858,706	UBS	1/17/2024	—	(126,945)
EUR 348,160	USD 385,249	TD	1/2/2024	—	(898)
EUR 7,624,052	USD 8,325,796	BARC	1/17/2024	95,359	—
EUR 5,700,369	USD 6,194,702	CIBC	1/17/2024	101,648	—
EUR 1,233,906	USD 1,332,274	CITI	1/17/2024	30,638	—
EUR 5,387,026	USD 5,799,441	GSI	1/17/2024	150,806	—
EUR 11,118,044	USD 11,850,377	JPM	1/17/2024	430,071	—
EUR 2,223,403	USD 2,417,662	MSCS	1/17/2024	38,201	—
EUR 3,256,697	USD 3,467,604	SCB	1/17/2024	129,584	—
EUR 5,126,970	USD 5,502,978	SSB	1/17/2024	160,022	—
EUR 101,247	USD 111,434	TD	1/17/2024	398	—
EUR 10,063,755	USD 10,788,650	UBS	1/17/2024	327,281	—
GBP 315,000	CAD 516,962	SSB	1/17/2024	11,314	—
GBP 806,314	USD 1,009,451	UBS	1/17/2024	18,396	—
JPY 34,472,000	CAD 320,000	GSI	1/17/2024	3,390	—
JPY 34,647,081	CAD 320,000	JPM	1/17/2024	4,634	—
JPY 332,470,258	CAD 3,120,000	RBC	1/17/2024	7,247	—
JPY 90,265,814	USD 626,663	CITI	1/17/2024	14,729	—
JPY 595,176,664	USD 4,102,238	GSI	1/17/2024	126,841	—
JPY 553,587,860	USD 3,825,845	MSCS	1/17/2024	107,721	—
JPY 99,804,065	USD 696,292	RBC	1/17/2024	12,874	—
JPY 342,358,597	USD 2,333,673	SCB	1/17/2024	98,985	—
JPY 426,916,575	USD 2,886,451	SSB	1/17/2024	147,041	—
JPY 334,382,789	USD 2,305,845	UBS	1/17/2024	70,141	—

# John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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
MXN	50,396,357	USD	2,860,837	BARC	1/17/2024	\$100,435	—
MXN	28,115,181	USD	1,565,625	GSI	1/17/2024	86,413	—
MXN	11,019,046	USD	608,570	HUS	1/17/2024	38,905	—
MXN	9,286,495	USD	529,686	MSCS	1/17/2024	15,985	—
MXN	22,033,497	USD	1,233,941	SSB	1/17/2024	60,740	—
MXN	22,128,451	USD	1,215,382	UBS	1/17/2024	84,878	—
NOK	127,053,528	EUR	10,823,579	BARC	1/17/2024	554,581	—
NOK	18,750,460	EUR	1,597,500	CITI	1/17/2024	81,663	—
NOK	16,594,425	EUR	1,397,867	GSI	1/17/2024	89,884	—
NOK	56,726,431	EUR	4,833,548	HUS	1/17/2024	246,422	—
NOK	10,697,932	EUR	921,916	JPM	1/17/2024	35,022	—
NOK	32,213,612	EUR	2,809,083	MSCS	1/17/2024	68,999	—
NOK	5,812,988	EUR	514,800	SSB	1/17/2024	3,728	—
NOK	11,532,197	EUR	961,407	UBS	1/17/2024	73,544	—
NOK	3,472,003	USD	320,500	JPM	1/17/2024	21,356	—
NZD	5,503,205	AUD	5,078,856	ANZ	1/17/2024	16,431	—
NZD	4,127,398	AUD	3,809,712	CITI	1/17/2024	11,930	—
NZD	1,237,804	AUD	1,142,914	MSCS	1/17/2024	3,317	—
NZD	2,063,930	AUD	1,904,856	RBC	1/17/2024	6,112	—
NZD	2,732,886	USD	1,673,920	ANZ	1/17/2024	53,739	—
NZD	2,945,913	USD	1,750,201	CITI	1/17/2024	112,128	—
NZD	1,963,942	USD	1,158,461	GSI	1/17/2024	83,092	—
NZD	1,952,062	USD	1,198,254	HUS	1/17/2024	35,789	—
NZD	3,974,906	USD	2,400,862	MSCS	1/17/2024	111,969	—
SEK	3,308,896	NOK	3,479,500	BARC	1/17/2024	—	\$(14,345)
SGD	2,854,473	USD	2,135,422	BARC	1/17/2024	28,874	—
SGD	10,031,845	USD	7,404,078	CIBC	1/17/2024	202,190	—
SGD	5,740,059	USD	4,266,927	CITI	1/17/2024	85,255	—
SGD	5,704,269	USD	4,276,800	GSI	1/17/2024	48,245	—
SGD	8,599,383	USD	6,402,739	HUS	1/17/2024	117,419	—
SGD	1,940,896	USD	1,453,576	JPM	1/17/2024	18,035	—
SGD	11,329,525	USD	8,397,612	MSCS	1/17/2024	192,574	—
SGD	11,399,308	USD	8,462,755	SSB	1/17/2024	180,340	—
USD	10,912,560	AUD	16,741,267	ANZ	1/17/2024	—	(500,930)
USD	681,683	AUD	1,006,464	BARC	1/17/2024	—	(4,482)
USD	681,455	AUD	1,006,464	GSI	1/17/2024	—	(4,710)
USD	1,298,564	AUD	1,979,591	HUS	1/17/2024	—	(51,038)
USD	1,361,444	AUD	2,012,928	JPM	1/17/2024	—	(10,886)
USD	3,171,118	AUD	4,763,537	MSCS	1/17/2024	—	(76,460)
USD	441,929	AUD	695,006	RBC	1/17/2024	—	(31,897)
USD	462,162	AUD	703,765	SCB	1/17/2024	—	(17,636)
USD	954,845	AUD	1,409,049	SSB	1/17/2024	—	(5,786)
USD	880,840	BRL	4,426,741	CITI	1/17/2024	—	(29,542)
USD	257,770	CAD	345,830	BARC	1/17/2024	—	(3,281)
USD	5,736,757	CAD	7,824,413	CIBC	1/17/2024	—	(169,545)
USD	10,468,482	CAD	14,225,971	CITI	1/17/2024	—	(270,074)
USD	2,305,279	CAD	3,125,956	GSI	1/17/2024	—	(54,367)
USD	3,670,531	CAD	4,930,978	HUS	1/17/2024	—	(51,646)
USD	3,163,362	CAD	4,263,846	JPM	1/17/2024	—	(55,226)
USD	4,077,957	CAD	5,556,758	MSCS	1/17/2024	—	(116,593)
USD	11,828,967	CAD	16,046,443	RBC	1/17/2024	—	(283,780)
USD	2,950,829	CAD	4,020,752	SSB	1/17/2024	—	(84,259)
USD	1,466,819	CAD	1,974,729	UBS	1/17/2024	—	(23,816)
USD	321,000	CNY	2,281,562	SSB	1/17/2024	—	(1,041)
USD	1,677,419	EUR	1,575,000	ANZ	1/17/2024	—	(62,249)
USD	4,548,322	EUR	4,182,085	BARC	1/17/2024	—	(71,005)
USD	182,143	EUR	171,557	BMO	1/17/2024	—	(7,350)
USD	959,442	EUR	873,992	CIBC	1/17/2024	—	(5,926)
USD	18,346,666	EUR	16,932,986	CITI	1/17/2024	—	(356,683)
USD	18,220,267	EUR	16,888,901	GSI	1/17/2024	—	(434,388)
USD	1,210,704	EUR	1,099,996	HUS	1/17/2024	—	(4,298)
USD	9,949,585	EUR	9,345,445	MSCS	1/17/2024	—	(372,939)
USD	17,534,116	EUR	16,318,619	SSB	1/17/2024	—	(490,635)
USD	854,053	EUR	777,542	TD	1/17/2024	—	(4,782)
USD	3,814,430	GBP	3,053,895	HUS	1/17/2024	—	(78,514)
USD	1,022,446	GBP	806,877	UBS	1/17/2024	—	(6,118)



# John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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
USD	1,563,125	JPY	230,133,267	ANZ	1/17/2024	—	\$(72,107)
USD	1,563,125	JPY	231,885,999	BARC	1/17/2024	—	(84,561)
USD	695,794	JPY	101,327,661	BMO	1/17/2024	—	(24,198)
USD	4,274,232	JPY	625,842,614	CITI	1/17/2024	—	(172,747)
USD	3,403,139	JPY	492,547,246	GSI	1/17/2024	—	(96,698)
USD	2,282,162	JPY	334,934,345	HUS	1/17/2024	—	(97,742)
USD	2,090,691	JPY	300,916,431	JPM	1/17/2024	—	(47,497)
USD	2,090,178	JPY	305,879,188	MSCS	1/17/2024	—	(83,271)
USD	696,292	JPY	99,445,750	RBC	1/17/2024	—	(10,329)
USD	3,174,506	JPY	453,560,298	SSB	1/17/2024	—	(48,305)
USD	1,565,625	MXN	27,734,734	BARC	1/17/2024	—	(64,058)
USD	5,045,488	MXN	87,377,708	GSI	1/17/2024	—	(88,795)
USD	4,143,978	MXN	73,044,377	JPM	1/17/2024	—	(148,083)
USD	2,424,235	MXN	42,097,955	MSCS	1/17/2024	—	(49,425)
USD	2,275,081	MXN	39,554,660	SSB	1/17/2024	—	(49,137)
USD	152,766	NOK	1,670,316	MSCS	1/17/2024	—	(11,695)
USD	3,028,000	NOK	32,246,239	RBC	1/17/2024	—	(146,987)
USD	365,866	NZD	620,471	ANZ	1/17/2024	—	(26,379)
USD	1,252,393	NZD	1,992,282	BARC	1/17/2024	—	(7,075)
USD	10,002,084	NZD	16,836,334	CITI	1/17/2024	—	(641,405)
USD	622,036	NZD	996,141	GSI	1/17/2024	—	(7,698)
USD	2,679,712	NZD	4,292,329	MSCS	1/17/2024	—	(33,785)
USD	164,391	NZD	278,911	NAB	1/17/2024	—	(11,929)
USD	1,246,063	NZD	1,992,282	RBC	1/17/2024	—	(13,405)
USD	622,837	NZD	996,141	SSB	1/17/2024	—	(6,897)
USD	320,000	SEK	3,339,108	CITI	1/17/2024	—	(11,246)
USD	114,249	SGD	155,750	BOA	1/17/2024	—	(3,843)
USD	5,416,306	SGD	7,208,164	BARC	1/17/2024	—	(49,012)
USD	22,299,157	SGD	30,007,195	CIBC	1/17/2024	—	(452,671)
USD	3,200,479	SGD	4,246,010	CITI	1/17/2024	—	(18,898)
USD	9,603,877	SGD	12,812,303	HUS	1/17/2024	—	(110,569)
USD	9,558,854	SGD	12,815,139	MSCS	1/17/2024	—	(157,742)
USD	17,932,702	SGD	24,241,505	SSB	1/17/2024	—	(447,506)
USD	2,110,014	SGD	2,868,865	UBS	1/17/2024	—	(65,195)
						<b>\$6,690,788</b>	<b>\$(8,296,214)</b>

### Derivatives Currency Abbreviations

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

# John Hancock Variable Insurance Trust

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

## Strategic Income Opportunities Trust (continued)

### Derivatives Abbreviations

ANZ	Australia and New Zealand Banking Group Limited
BARC	Barclays Bank PLC
BMO	Bank of Montreal
BOA	Bank of America, N.A.
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
NAB	National Australia Bank Ltd.
OTC	Over-the-counter
RBC	Royal Bank of Canada
SCB	Standard Chartered Bank
SSB	State Street Bank and Trust Company
TD	The Toronto-Dominion Bank
UBS	UBS AG

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

## Total Bond Market Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 69.1%</b>		
<b>U.S. Government – 41.4%</b>		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 8,000,000	\$ 4,310,938
2.000%, 11/15/2041 to 08/15/2051	19,000,000	12,899,336
2.250%, 08/15/2049	2,000,000	1,396,406
2.750%, 08/15/2047	3,000,000	2,336,016
2.875%, 05/15/2049	1,500,000	1,191,914
3.000%, 02/15/2047 to 08/15/2052	26,635,000	21,740,589
3.375%, 08/15/2042	8,000,000	7,133,438
3.625%, 02/15/2053 to 05/15/2053	10,000,000	9,239,844
3.875%, 02/15/2043 to 05/15/2043	9,000,000	8,580,156
4.000%, 11/15/2052	6,000,000	5,919,844
4.250%, 05/15/2039 to 11/15/2040	4,610,000	4,740,575
4.375%, 05/15/2041	1,830,000	1,886,330
4.625%, 02/15/2040	5,000,000	5,353,906
4.750%, 02/15/2041	2,000,000	2,162,266
U.S. Treasury Notes		
0.250%, 07/31/2025 to 10/31/2025	16,000,000	14,892,500
0.375%, 07/31/2027	1,800,000	1,587,656
0.500%, 10/31/2027	12,000,000	10,549,219
0.625%, 03/31/2027	6,000,000	5,392,266
0.750%, 03/31/2026	4,000,000	3,711,094
0.875%, 09/30/2026	5,000,000	4,592,383
1.125%, 01/15/2025	20,000,000	19,266,080
1.375%, 08/31/2026 to 11/15/2031	6,000,000	5,287,266
1.500%, 01/31/2027	30,000,000	27,847,266
1.750%, 12/31/2024 to 01/31/2029	34,000,000	31,009,069
2.125%, 05/31/2026	2,000,000	1,909,453
2.250%, 11/15/2027	20,595,000	19,364,127
2.375%, 05/15/2029	5,000,000	4,634,375
2.750%, 08/15/2032	5,000,000	4,578,906
2.875%, 05/15/2028 to 05/15/2032	11,800,000	11,153,766
3.000%, 10/31/2025	2,000,000	1,953,438
3.125%, 08/31/2027	4,000,000	3,887,500
3.500%, 04/30/2030	3,000,000	2,932,148
3.625%, 05/15/2026	4,000,000	3,953,594
3.875%, 09/30/2029	10,000,000	9,979,688
4.000%, 10/31/2029	15,000,000	15,069,727
4.125%, 09/30/2027 to 11/15/2032	25,000,000	25,208,594
4.250%, 05/31/2025 to 10/15/2025	14,000,000	13,966,562

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government (continued)</b>		
U.S. Treasury Notes (continued)		
4.375%, 11/30/2028	\$ 8,245,000	\$ 8,436,954
4.500%, 11/15/2025 to 11/15/2033	47,615,000	49,523,458
		389,578,647
<b>U.S. Government Agency – 27.7%</b>		
Federal Home Loan Bank		
5.500%, 07/15/2036	1,690,000	1,909,622
Federal Home Loan Mortgage Corp.		
1.500%, 12/01/2036 to 03/01/2051	5,954,267	4,819,808
2.500%, 04/01/2031 to 04/01/2052	5,866,137	4,867,727
3.000%, 07/01/2032 to 03/01/2052	11,471,557	9,881,614
3.000%, 07/01/2032 to 03/01/2052	10,215,408	9,229,222
3.500%, 12/01/2025 to 07/01/2052	7,912,645	7,352,107
4.000%, 02/01/2024 to 09/01/2047	1,004,270	969,444
4.500%, 05/01/2024 to 07/01/2052	6,058,207	5,942,095
5.000%, 04/01/2024 to 07/01/2053	2,697,928	2,678,450
5.500%, 04/01/2027 to 07/01/2053	4,515,790	4,550,702
6.000%, 10/01/2036 to 07/01/2053	3,604,687	3,680,333
6.110%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.861%), 08/01/2037 (A)		
	343,696	349,273
6.250%, 07/15/2032	450,000	521,716
6.500%, 08/01/2037 to 09/01/2053	1,981,516	2,053,770
6.750%, 09/15/2029	1,200,000	1,364,578
7.000%, 04/01/2029 to 04/01/2032	7,111	7,381
7.500%, 09/01/2030 to 03/01/2032	3,760	4,008
8.000%, 02/01/2030	362	377
Federal National Mortgage Association		
0.500%, 06/17/2025	3,000,000	2,830,906
1.500%, 11/01/2036 to 02/01/2051	6,360,860	5,396,475
2.000%, 02/01/2035 to 02/01/2052	59,694,283	50,039,650
2.125%, 04/24/2026	2,000,000	1,911,011
2.500%, 05/01/2028 to 02/01/2052	34,393,425	29,933,786
2.625%, 09/06/2024	1,000,000	983,780
3.000%, 01/01/2027 to 03/01/2052	16,261,293	14,799,956
3.500%, 12/01/2025 to 02/01/2052	10,075,701	9,419,180
3.710%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.335%), 01/01/2035 (A)		
	10,714	10,817

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
4.000%, 03/01/2024 to 04/01/2053	\$ 13,929,174	\$ 13,332,808
4.500%, 08/01/2024 to 09/01/2052	3,353,343	3,291,465
4.995%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.843%), 04/01/2037 (A)	60,589	62,048
5.000%, 12/01/2034 to 04/01/2053	5,564,345	5,541,505
5.080%, (1 Year CMT + 2.185%), 05/01/2036 (A)	37,325	37,878
5.121%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.585%), 09/01/2037 (A)	36,640	37,264
5.203%, (6 month Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.411%), 07/01/2034 (A)	36,981	37,046
5.500%, 01/01/2034 to 07/01/2053	2,061,149	2,078,209
6.000%, 07/01/2027 to 08/01/2038	162,584	168,989
6.175%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.925%), 10/01/2037 (A)	7,999	8,166
6.500%, 07/01/2031 to 04/01/2053	1,049,070	1,082,098
7.000%, 02/01/2031 to 10/01/2038	26,777	28,205
7.125%, 01/15/2030	209,000	242,930
7.250%, 05/15/2030	1,450,000	1,710,281
7.500%, 09/01/2030 to 08/01/2031	11,693	12,349
8.000%, 08/01/2030 to 09/01/2031	1,934	2,039
8.500%, 09/01/2030	177	188
Government National		
Mortgage Association		
2.000%, 02/20/2051	11,058,127	9,363,610
2.500%, 08/20/2050 to 11/20/2051	13,088,050	11,495,407
3.000%, 08/15/2043 to 07/20/2051	10,544,440	9,628,980
3.500%, 04/15/2042 to 01/20/2052	8,715,658	8,185,838
4.000%, 11/15/2026 to 02/20/2053	4,484,871	4,334,422
4.500%, 08/15/2033 to 03/20/2053	5,080,335	4,973,120
5.000%, 08/15/2033 to 05/20/2053	3,282,033	3,271,252
5.500%, 11/15/2032 to 02/20/2053	2,520,408	2,542,186
6.000%, 07/15/2029 to 05/20/2053	1,294,271	1,319,721
6.500%, 05/15/2028 to 11/20/2052	1,513,174	1,552,148
7.000%, 08/15/2029 to 05/15/2032	13,744	14,202
7.500%, 09/15/2030 to 01/15/2031	4,206	4,395
		259,866,537
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$700,889,214)</b>		<b>\$ 649,445,184</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.8%</b>		
<b>Brazil – 0.2%</b>		
Federative Republic of Brazil		
4.250%, 01/07/2025	1,612,000	1,588,978
<b>Canada – 0.1%</b>		
Province of British Columbia		
6.500%, 01/15/2026	490,000	507,404
Province of Quebec		
7.125%, 02/09/2024	150,000	150,206
		657,610
<b>Italy – 0.1%</b>		
Republic of Italy		
5.375%, 06/15/2033	1,000,000	1,000,487
<b>Japan – 0.1%</b>		
Japan Bank for International Cooperation		
2.500%, 05/23/2024	800,000	790,838

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Mexico – 0.3%</b>		
Government of Mexico		
3.750%, 01/11/2028	\$ 2,000,000	\$ 1,927,697
6.050%, 01/11/2040	930,000	937,732
		2,865,429
<b>Panama – 0.0%</b>		
Republic of Panama		
6.700%, 01/26/2036	370,000	366,002
<b>Peru – 0.0%</b>		
Republic of Peru		
6.550%, 03/14/2037	250,000	278,125
<b>Turkey – 0.0%</b>		
Republic of Turkey		
6.000%, 01/14/2041	400,000	339,018
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$8,278,558)</b>		<b>\$ 7,886,487</b>
<b>CORPORATE BONDS – 26.3%</b>		
<b>Communication services – 2.2%</b>		
Alphabet, Inc.		
1.100%, 08/15/2030	300,000	248,491
2.050%, 08/15/2050	400,000	249,842
AT&T, Inc.		
2.550%, 12/01/2033	665,000	541,989
3.800%, 12/01/2057	609,000	452,696
4.750%, 05/15/2046	900,000	813,470
4.850%, 07/15/2045	500,000	455,707
5.150%, 03/15/2042	50,000	48,070
5.400%, 02/15/2034	1,000,000	1,031,325
6.375%, 03/01/2041	360,000	394,337
7.625%, 04/15/2031	285,000	323,691
Baidu, Inc.		
4.125%, 06/30/2025	250,000	245,564
British Telecommunications PLC		
9.625%, 12/15/2030	190,000	235,106
Charter Communications Operating LLC		
2.800%, 04/01/2031	600,000	506,077
5.050%, 03/30/2029	400,000	395,759
5.375%, 05/01/2047	500,000	424,911
Comcast Corp.		
2.350%, 01/15/2027	455,000	427,128
2.887%, 11/01/2051	256,000	173,172
3.450%, 02/01/2050	500,000	383,781
3.999%, 11/01/2049	500,000	417,253
4.049%, 11/01/2052	1,000,000	843,255
4.600%, 10/15/2038	400,000	386,253
6.500%, 11/15/2035	52,000	59,127
Deutsche Telekom International Finance BV		
8.750%, 06/15/2030	146,000	175,836
Discovery Communications LLC		
4.125%, 05/15/2029	900,000	852,691
5.300%, 05/15/2049	400,000	343,426
Fox Corp.		
3.500%, 04/08/2030	600,000	553,534
Grupo Televisa SAB		
6.625%, 01/15/2040	220,000	230,059
Meta Platforms, Inc.		
4.950%, 05/15/2033	700,000	722,484
Rogers Communications, Inc.		
4.500%, 03/15/2042	700,000	617,479
TCI Communications, Inc.		
7.125%, 02/15/2028	110,000	120,248
Telefonica Emisiones SA		
7.045%, 06/20/2036	230,000	260,164

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Telefonica Europe BV 8.250%, 09/15/2030 (B)	\$ 350,000	\$ 409,639
The Walt Disney Company 2.650%, 01/13/2031	400,000	355,897
Time Warner Cable Enterprises LLC 8.375%, 07/15/2033	525,000	607,886
T-Mobile USA, Inc. 3.000%, 02/15/2041	400,000	299,343
3.875%, 04/15/2030	600,000	568,981
4.500%, 04/15/2050	700,000	618,485
5.750%, 01/15/2054	700,000	740,662
TWDC Enterprises 18 Corp. 3.150%, 09/17/2025	500,000	486,507
4.125%, 06/01/2044	500,000	445,878
Verizon Communications, Inc. 1.680%, 10/30/2030	400,000	329,502
2.875%, 11/20/2050	500,000	339,940
4.016%, 12/03/2029	500,000	483,445
4.522%, 09/15/2048	1,260,000	1,148,754
Vodafone Group PLC 4.375%, 05/30/2028	400,000	398,954
5.250%, 05/30/2048	300,000	292,287
		20,459,085
<b>Consumer discretionary – 1.7%</b>		
Amazon.com, Inc.		
2.100%, 05/12/2031	400,000	344,924
2.500%, 06/03/2050	800,000	532,175
4.050%, 08/22/2047	600,000	540,973
4.700%, 12/01/2032	700,000	719,278
American Honda Finance Corp. 1.800%, 01/13/2031	600,000	507,219
AutoZone, Inc. 3.250%, 04/15/2025	1,000,000	976,361
Booking Holdings, Inc. 3.550%, 03/15/2028	300,000	289,765
Choice Hotels International, Inc. 3.700%, 01/15/2031 (B)	200,000	172,410
D.R. Horton, Inc. 1.400%, 10/15/2027	200,000	177,975
Expedia Group, Inc. 3.250%, 02/15/2030	300,000	275,012
Ford Motor Credit Company LLC 6.798%, 11/07/2028	1,420,000	1,485,839
General Motors Company 5.400%, 04/01/2048	300,000	274,092
General Motors Financial Company, Inc. 2.400%, 10/15/2028	300,000	266,323
3.100%, 01/12/2032	350,000	297,978
5.250%, 03/01/2026	650,000	650,414
Lennar Corp. 4.750%, 11/29/2027	300,000	299,312
Lowe's Companies, Inc. 3.375%, 09/15/2025	460,000	448,891
3.750%, 04/01/2032	700,000	655,108
McDonald's Corp. 3.300%, 07/01/2025	1,000,000	976,823
NIKE, Inc. 2.400%, 03/27/2025	1,000,000	972,366
Starbucks Corp. 3.550%, 08/15/2029	300,000	289,128
The Home Depot, Inc. 2.700%, 04/15/2030	700,000	639,326
3.350%, 09/15/2025	752,000	737,029
4.250%, 04/01/2046	390,000	352,313
5.875%, 12/16/2036	280,000	312,968

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
The TJX Companies, Inc. 3.875%, 04/15/2030	\$ 600,000	\$ 579,850
4.500%, 04/15/2050	600,000	565,511
Toll Brothers Finance Corp. 3.800%, 11/01/2029	200,000	187,485
Toyota Motor Credit Corp. 1.150%, 08/13/2027	500,000	447,157
1.900%, 09/12/2031	700,000	583,410
3.050%, 01/11/2028	300,000	286,063
Whirlpool Corp. 5.150%, 03/01/2043	300,000	272,843
		16,116,321
<b>Consumer staples – 1.6%</b>		
Altria Group, Inc.		
3.400%, 02/04/2041	400,000	292,888
4.500%, 05/02/2043	500,000	416,979
Anheuser-Busch Companies LLC 3.650%, 02/01/2026	800,000	785,447
4.900%, 02/01/2046	500,000	490,121
Anheuser-Busch InBev Worldwide, Inc. 4.500%, 06/01/2050	400,000	380,415
4.750%, 01/23/2029	500,000	507,771
BAT Capital Corp. 2.726%, 03/25/2031	600,000	503,172
3.215%, 09/06/2026	500,000	478,198
Constellation Brands, Inc. 4.500%, 05/09/2047	350,000	311,889
Costco Wholesale Corp. 1.600%, 04/20/2030	500,000	428,309
Diageo Capital PLC 2.000%, 04/29/2030	300,000	259,094
General Mills, Inc. 2.875%, 04/15/2030	600,000	542,206
Kellanova 3.250%, 04/01/2026	400,000	387,668
Kenvue, Inc. 4.900%, 03/22/2033	500,000	515,395
Keurig Dr. Pepper, Inc. 4.597%, 05/25/2028	500,000	500,292
Kimberly-Clark Corp. 3.200%, 07/30/2046	300,000	229,701
Kraft Heinz Foods Company 3.000%, 06/01/2026	458,000	439,991
6.875%, 01/26/2039	40,000	46,114
Mondelez International, Inc. 4.625%, 05/07/2048	300,000	271,452
PepsiCo, Inc. 2.850%, 02/24/2026	495,000	478,534
4.000%, 03/05/2042	270,000	244,366
5.500%, 01/15/2040	280,000	302,318
Philip Morris International, Inc. 6.375%, 05/16/2038	300,000	335,684
SC Johnson & Son, Inc. 4.000%, 05/15/2043 (C)	250,000	209,960
Sysco Corp. 6.600%, 04/01/2050	1,000,000	1,173,599
Target Corp. 3.900%, 11/15/2047	500,000	430,936
The Coca-Cola Company 2.125%, 09/06/2029	400,000	361,428
2.500%, 06/01/2040	400,000	302,432
The Estee Lauder Companies, Inc. 2.600%, 04/15/2030	600,000	531,339
The Kroger Company 3.500%, 02/01/2026	500,000	486,978

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
The Procter & Gamble Company 3.600%, 03/25/2050 (B)	\$ 600,000	\$ 526,739
Tyson Foods, Inc. 4.350%, 03/01/2029	400,000	388,428
Walmart, Inc. 3.250%, 07/08/2029 (B) 4.050%, 06/29/2048	600,000 500,000	575,777 456,728
		14,592,348
<b>Energy – 1.8%</b>		
Anadarko Petroleum Corp. 6.450%, 09/15/2036	280,000	283,979
Baker Hughes Holdings LLC 3.337%, 12/15/2027 4.486%, 05/01/2030	500,000 500,000	477,807 499,899
Boardwalk Pipelines LP 4.950%, 12/15/2024	400,000	397,194
BP Capital Markets America, Inc. 3.796%, 09/21/2025	800,000	788,643
Canadian Natural Resources, Ltd. 6.250%, 03/15/2038	290,000	303,399
Cenovus Energy, Inc. 4.250%, 04/15/2027	300,000	293,061
Chevron Corp. 2.954%, 05/16/2026	800,000	773,675
Devon Energy Corp. 5.000%, 06/15/2045 7.875%, 09/30/2031	885,000 170,000	781,258 197,898
Enbridge, Inc. 3.700%, 07/15/2027 4.500%, 06/10/2044 5.700%, 03/08/2033	400,000 400,000 700,000	385,976 341,487 727,578
Energy Transfer LP 5.500%, 06/01/2027 6.125%, 12/15/2045 6.500%, 02/01/2042	600,000 350,000 50,000	607,309 352,519 52,795
Enterprise Products Operating LLC 3.200%, 02/15/2052 4.850%, 08/15/2042 6.875%, 03/01/2033	700,000 280,000 130,000	510,087 268,408 149,167
Exxon Mobil Corp. 2.995%, 08/16/2039 3.482%, 03/19/2030	400,000 700,000	321,056 665,466
Kinder Morgan Energy Partners LP 4.300%, 05/01/2024 6.375%, 03/01/2041 6.500%, 09/01/2039	700,000 60,000 180,000	696,238 61,624 188,957
Kinder Morgan, Inc. 5.550%, 06/01/2045	375,000	360,698
MPLX LP 4.800%, 02/15/2029	400,000	397,145
ONEOK Partners LP 6.650%, 10/01/2036	268,000	291,556
Ovintiv, Inc. 6.500%, 08/15/2034	270,000	287,028
Petroleos Mexicanos 6.625%, 06/15/2035 6.700%, 02/16/2032	230,000 173,000	176,398 143,552
Phillips 66 Company 3.750%, 03/01/2028	200,000	192,374
Plains All American Pipeline LP 4.900%, 02/15/2045	500,000	431,064
Shell International Finance BV 4.375%, 05/11/2045 6.375%, 12/15/2038	1,000,000 90,000	916,202 103,486

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Suncor Energy, Inc. 5.950%, 05/15/2035	\$ 235,000	\$ 236,374
Targa Resources Partners LP 4.000%, 01/15/2032	500,000	456,565
The Williams Companies, Inc. 3.500%, 11/15/2030 5.100%, 09/15/2045	400,000 400,000	366,227 376,722
Tosco Corp. 8.125%, 02/15/2030	383,000	450,073
TotalEnergies Capital International SA 3.700%, 01/15/2024	500,000	499,595
TransCanada PipeLines, Ltd. 5.850%, 03/15/2036	405,000	415,047
Valero Energy Corp. 2.850%, 04/15/2025 7.500%, 04/15/2032	600,000 270,000	580,500 310,505
		17,116,591
<b>Financials – 8.4%</b>		
American Express Company 4.420%, (4.420% to 8-3-32, then Overnight SOFR + 1.760%), 08/03/2033	1,000,000	962,787
American International Group, Inc. 4.125%, 02/15/2024 (B) 6.250%, 05/01/2036	550,000 430,000	548,383 456,522
Ameriprise Financial, Inc. 5.150%, 05/15/2033	700,000	721,280
Arch Capital Finance LLC 4.011%, 12/15/2026	400,000	388,383
Ares Capital Corp. 3.875%, 01/15/2026	1,000,000	960,652
Banco Santander SA 1.722%, (1.722% to 9-14-26, then 1 Year CMT + 0.900%), 09/14/2027	700,000	633,027
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	1,660,275
3.419%, (3.419% to 12-20-27, then 3 month CME Term SOFR + 1.302%), 12/20/2028	1,312,000	1,235,811
3.970%, (3.970% to 3-5-28, then 3 month CME Term SOFR + 1.332%), 03/05/2029	500,000	477,557
3.974%, (3.974% to 2-7-29, then 3 month CME Term SOFR + 1.472%), 02/07/2030	2,000,000	1,892,993
4.443%, (4.443% to 1-20-47, then 3 month CME Term SOFR + 2.252%), 01/20/2048	500,000	449,342
4.450%, 03/03/2026	700,000	692,292
7.750%, 05/14/2038	480,000	583,782
Barclays PLC 4.375%, 01/12/2026	500,000	493,175
7.437%, (7.437% to 11-2-32, then 1 Year CMT + 3.500%), 11/02/2033	700,000	783,807
Berkshire Hathaway Finance Corp. 4.400%, 05/15/2042	600,000	579,565
Berkshire Hathaway, Inc. 3.125%, 03/15/2026	500,000	486,187
Capital One Financial Corp. 3.200%, 02/05/2025 3.300%, 10/30/2024	2,000,000 1,500,000	1,951,948 1,475,067
Chubb INA Holdings, Inc. 3.350%, 05/03/2026	300,000	291,855

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Citigroup, Inc.		
1.462%, (1.462% to 6-9-26, then Overnight SOFR + 0.770%), 06/09/2027	\$ 600,000	\$ 549,085
2.666%, (2.666% to 1-29-30, then Overnight SOFR + 1.146%), 01/29/2031	1,000,000	867,420
3.300%, 04/27/2025	600,000	585,930
4.281%, (4.281% to 4-24-47, then 3 month CME Term SOFR + 2.101%), 04/24/2048	500,000	437,050
4.450%, 09/29/2027	500,000	488,504
4.658%, (4.658% to 5-24-27, then Overnight SOFR + 1.887%), 05/24/2028	1,000,000	992,020
5.500%, 09/13/2025	400,000	401,822
Deutsche Bank AG		
2.129%, (2.129% to 11-24-25, then Overnight SOFR + 1.870%), 11/24/2026	600,000	562,391
European Investment Bank		
2.500%, 10/15/2024	1,500,000	1,471,492
3.250%, 01/29/2024	600,000	599,057
4.875%, 02/15/2036	1,000,000	1,069,007
Fifth Third Bank NA		
2.250%, 02/01/2027	500,000	461,851
Fiserv, Inc.		
2.250%, 06/01/2027	600,000	554,824
Five Corners Funding Trust II		
2.850%, 05/15/2030 (C)	800,000	707,385
GE Capital International Funding Company		
4.418%, 11/15/2035	822,000	797,162
Global Payments, Inc.		
4.450%, 06/01/2028	400,000	389,364
HSBC Holdings PLC		
2.848%, (2.848% to 6-4-30, then Overnight SOFR + 2.387%), 06/04/2031	1,000,000	859,883
4.583%, (4.583% to 6-19-28, then 3 month CME Term SOFR + 1.796%), 06/19/2029	1,000,000	969,607
6.500%, 09/15/2037	660,000	714,379
Inter-American Development Bank		
1.125%, 01/13/2031	2,000,000	1,647,657
2.000%, 07/23/2026	1,000,000	946,615
7.000%, 06/15/2025	325,000	335,153
Intercontinental Exchange, Inc.		
3.100%, 09/15/2027	400,000	380,282
4.600%, 03/15/2033 (B)	500,000	497,112
International Bank for Reconstruction & Development		
0.750%, 11/24/2027	1,000,000	881,993
0.875%, 07/15/2026	1,000,000	920,978
JPMorgan Chase & Co.		
2.522%, (2.522% to 4-22-30, then Overnight SOFR + 2.040%), 04/22/2031	1,000,000	864,737
3.300%, 04/01/2026	700,000	677,589
3.509%, (3.509% to 1-23-28, then 3 month CME Term SOFR + 1.207%), 01/23/2029	500,000	473,785
3.540%, (3.540% to 5-1-27, then 3 month CME Term SOFR + 1.642%), 05/01/2028	700,000	668,046

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
JPMorgan Chase & Co. (continued)		
3.875%, 02/01/2024	\$ 1,300,000	\$ 1,297,703
4.452%, (4.452% to 12-5-28, then 3 month CME Term SOFR + 1.592%), 12/05/2029	600,000	587,994
4.851%, (4.851% to 7-25-27, then Overnight SOFR + 1.990%), 07/25/2028	1,000,000	1,000,290
6.400%, 05/15/2038	125,000	143,116
KeyBank NA		
5.000%, 01/26/2033	500,000	467,420
KfW		
2.625%, 02/28/2024	800,000	796,523
Liberty Mutual Group, Inc.		
3.950%, 05/15/2060 (C)	500,000	359,375
Lincoln National Corp.		
3.625%, 12/12/2026 (B)	500,000	486,251
7.000%, 06/15/2040	150,000	168,276
Lloyds Banking Group PLC		
2.438%, (2.438% to 2-5-25, then 1 Year CMT + 1.000%), 02/05/2026	900,000	868,390
Mastercard, Inc.		
2.000%, 11/18/2031	350,000	295,199
2.950%, 11/21/2026	300,000	289,319
MetLife, Inc.		
4.600%, 05/13/2046	500,000	473,772
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	1,461,949
Mizuho Financial Group, Inc.		
1.234%, (1.234% to 5-22-26, then 1 Year CMT + 0.670%), 05/22/2027	800,000	728,864
Morgan Stanley		
1.512%, (1.512% to 7-20-26, then Overnight SOFR + 0.858%), 07/20/2027	500,000	456,703
3.622%, (3.622% to 4-1-30, then Overnight SOFR + 3.120%), 04/01/2031	1,000,000	921,226
3.700%, 10/23/2024	950,000	937,731
3.772%, (3.772% to 1-24-28, then 3 month CME Term SOFR + 1.402%), 01/24/2029	550,000	524,525
5.164%, (5.164% to 4-20-28, then Overnight SOFR + 1.590%), 04/20/2029	1,000,000	1,005,716
6.296%, (6.296% to 10-18-27, then Overnight SOFR + 2.240%), 10/18/2028	1,000,000	1,047,539
Nasdaq, Inc.		
1.650%, 01/15/2031 (B)	500,000	405,739
National Rural Utilities Cooperative Finance Corp.		
4.023%, 11/01/2032	700,000	652,134
Nomura Holdings, Inc.		
3.103%, 01/16/2030	1,000,000	883,476
PayPal Holdings, Inc.		
2.300%, 06/01/2030	600,000	524,441
2.850%, 10/01/2029	1,000,000	914,685
Raymond James Financial, Inc.		
4.950%, 07/15/2046	600,000	559,735
Royal Bank of Canada		
2.300%, 11/03/2031	800,000	674,343
S&P Global, Inc.		
2.900%, 03/01/2032	600,000	535,547

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
State Street Corp. 5.159%, (5.159% to 5-18-33, then SOFR + 1.890%), 05/18/2034 (B)	\$ 700,000	\$ 705,123
Stifel Financial Corp. 4.250%, 07/18/2024	500,000	494,991
Sumitomo Mitsui Financial Group, Inc. 3.364%, 07/12/2027	900,000	857,024
3.784%, 03/09/2026	550,000	536,033
The Allstate Corp. 3.280%, 12/15/2026	500,000	482,159
The Bank of New York Mellon Corp. 3.250%, 05/16/2027	800,000	766,743
The Bank of Nova Scotia 4.850%, 02/01/2030	700,000	698,796
The Charles Schwab Corp. 3.200%, 01/25/2028	300,000	283,105
The Goldman Sachs Group, Inc. 2.600%, 02/07/2030	700,000	615,119
3.102%, (3.102% to 2-24-32, then Overnight SOFR + 1.410%), 02/24/2033	1,000,000	858,415
3.500%, 01/23/2025	750,000	735,418
3.750%, 02/25/2026	500,000	488,534
4.482%, (4.482% to 8-23-27, then Overnight SOFR + 1.725%), 08/23/2028	1,000,000	982,345
The Hartford Financial Services Group, Inc. 5.950%, 10/15/2036	170,000	180,781
The PNC Financial Services Group, Inc. 3.450%, 04/23/2029	1,000,000	946,784
4.758%, (4.758% to 1-26-26, then SOFR Compounded Index + 1.085%), 01/26/2027	500,000	496,063
The Toronto-Dominion Bank 2.000%, 09/10/2031	800,000	665,384
The Travelers Companies, Inc. 4.050%, 03/07/2048	300,000	260,440
Travelers Property Casualty Corp. 7.750%, 04/15/2026	50,000	53,063
Truist Financial Corp. 1.125%, 08/03/2027	700,000	612,787
2.850%, 10/26/2024	700,000	685,128
U.S. Bancorp 2.375%, 07/22/2026	1,000,000	938,699
UBS Group AG 4.550%, 04/17/2026	800,000	789,547
Visa, Inc. 2.050%, 04/15/2030	600,000	527,208
3.150%, 12/14/2025	463,000	451,735
4.300%, 12/14/2045	463,000	431,367
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	1,728,240
3.000%, 10/23/2026	1,000,000	949,374
3.350%, (3.350% to 3-2-32, then Overnight SOFR + 1.500%), 03/02/2033	1,000,000	873,416
Westpac Banking Corp. 1.150%, 06/03/2026	800,000	737,391
		78,796,063
<b>Health care – 2.9%</b>		
Abbott Laboratories 2.950%, 03/15/2025	300,000	293,812

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Abbott Laboratories (continued) 3.750%, 11/30/2026	\$ 283,000	\$ 278,824
AbbVie, Inc. 3.200%, 05/14/2026 to 11/21/2029	1,716,000	1,628,724
4.400%, 11/06/2042	260,000	241,064
Aetna, Inc. 3.500%, 11/15/2024	200,000	196,646
Allergan Funding SCS 4.750%, 03/15/2045	321,000	239,554
Amgen, Inc. 4.400%, 05/01/2045	260,000	230,763
4.663%, 06/15/2051	659,000	598,998
5.250%, 03/02/2033	1,000,000	1,025,233
AstraZeneca PLC 0.700%, 04/08/2026	500,000	460,293
Baxalta, Inc. 4.000%, 06/23/2025	500,000	491,351
Baxter International, Inc. 3.950%, 04/01/2030	500,000	473,556
Bayer US Finance II LLC 2.850%, 04/15/2025 (C)	300,000	288,333
Becton, Dickinson and Company 4.685%, 12/15/2044	400,000	373,788
Biogen, Inc. 3.250%, 02/15/2051	561,000	402,531
Boston Scientific Corp. 2.650%, 06/01/2030	500,000	446,446
Bristol-Myers Squibb Company 3.250%, 08/01/2042	500,000	385,942
4.550%, 02/20/2048	300,000	271,649
Cardinal Health, Inc. 3.750%, 09/15/2025	500,000	488,582
Centene Corp. 4.250%, 12/15/2027	700,000	674,487
CVS Health Corp. 3.875%, 07/20/2025	650,000	638,745
4.300%, 03/25/2028	389,000	382,406
5.050%, 03/25/2048	500,000	467,654
5.875%, 06/01/2053	366,000	384,964
CVS Pass-Through Trust 8.353%, 07/10/2031 (C)	54,843	59,209
DH Europe Finance II Sarl 3.250%, 11/15/2039	300,000	248,808
Dignity Health 4.500%, 11/01/2042	300,000	263,938
Elevance Health, Inc. 4.101%, 03/01/2028	350,000	344,868
4.650%, 08/15/2044	150,000	138,723
6.100%, 10/15/2052	333,000	377,494
Eli Lilly & Company 2.250%, 05/15/2050	500,000	323,101
Evernorth Health, Inc. 6.125%, 11/15/2041	330,000	337,239
Gilead Sciences, Inc. 3.650%, 03/01/2026	600,000	587,828
GlaxoSmithKline Capital, Inc. 3.625%, 05/15/2025	500,000	491,505
6.375%, 05/15/2038	210,000	243,829
HCA, Inc. 4.500%, 02/15/2027	500,000	494,108
5.500%, 06/15/2047	400,000	385,087
Humana, Inc. 3.850%, 10/01/2024	350,000	345,600
Johnson & Johnson 2.100%, 09/01/2040	500,000	355,685

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Johnson & Johnson (continued)		
5.850%, 07/15/2038	\$ 285,000	\$ 325,704
Laboratory Corp. of America Holdings		
2.950%, 12/01/2029	500,000	449,629
Medtronic, Inc.		
4.375%, 03/15/2035	500,000	487,949
Merck & Company, Inc.		
2.750%, 02/10/2025	850,000	831,112
Novartis Capital Corp.		
3.000%, 11/20/2025	500,000	486,186
Pfizer Investment Enterprises Pte, Ltd.		
5.300%, 05/19/2053	1,000,000	1,020,884
Pfizer, Inc.		
2.750%, 06/03/2026	713,000	683,458
4.400%, 05/15/2044	264,000	250,217
Quest Diagnostics, Inc.		
4.200%, 06/30/2029	500,000	490,704
4.700%, 03/30/2045	500,000	452,116
Regeneron Pharmaceuticals, Inc.		
2.800%, 09/15/2050	1,000,000	659,033
Stryker Corp.		
4.625%, 03/15/2046	350,000	334,879
The Cigna Group		
4.375%, 10/15/2028	500,000	495,972
Thermo Fisher Scientific, Inc.		
2.000%, 10/15/2031	400,000	337,023
UnitedHealth Group, Inc.		
2.300%, 05/15/2031	500,000	433,259
2.900%, 05/15/2050	400,000	279,897
4.375%, 03/15/2042	50,000	46,098
4.450%, 12/15/2048	300,000	274,556
5.350%, 02/15/2033	700,000	740,531
5.800%, 03/15/2036	300,000	327,763
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	500,000	483,197
Viatis, Inc.		
2.700%, 06/22/2030	500,000	423,258
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	482,721
Zoetis, Inc.		
2.000%, 05/15/2030	500,000	430,534
		27,588,047
<b>Industrials – 2.2%</b>		
3M Company		
3.000%, 08/07/2025 (B)	330,000	319,837
AerCap Ireland Capital DAC		
3.300%, 01/30/2032	500,000	435,165
4.450%, 04/03/2026	400,000	392,765
5.750%, 06/06/2028	1,000,000	1,023,440
Air Lease Corp.		
3.125%, 12/01/2030	600,000	524,792
3.625%, 12/01/2027	400,000	378,259
American Airlines 2016-2 Class AA Pass Through Trust		
3.200%, 06/15/2028	202,350	184,147
Automatic Data Processing, Inc.		
3.375%, 09/15/2025	752,000	736,791
Burlington Northern Santa Fe LLC		
4.400%, 03/15/2042	50,000	46,158
Canadian Pacific Railway Company		
2.875%, 11/15/2029	500,000	450,297
Carrier Global Corp.		
3.577%, 04/05/2050	500,000	391,116
Caterpillar, Inc.		
3.250%, 04/09/2050	400,000	316,051

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Caterpillar, Inc. (continued)		
3.400%, 05/15/2024	\$ 500,000	\$ 496,264
CSX Corp.		
3.350%, 11/01/2025	420,000	409,013
3.800%, 04/15/2050	1,000,000	815,165
Deere & Company		
3.100%, 04/15/2030	500,000	463,846
Delta Air Lines 2019-1 Class AA Pass Through Trust		
3.204%, 04/25/2024	200,000	198,388
Equifax, Inc.		
3.100%, 05/15/2030	1,200,000	1,074,351
FedEx Corp.		
3.875%, 08/01/2042	420,000	347,937
4.400%, 01/15/2047	350,000	304,516
General Dynamics Corp.		
3.625%, 04/01/2030	500,000	480,285
General Electric Company		
4.500%, 03/11/2044	500,000	463,926
6.750%, 03/15/2032	66,000	75,072
6.875%, 01/10/2039	168,000	203,830
Honeywell International, Inc.		
1.950%, 06/01/2030	500,000	433,097
John Deere Capital Corp.		
2.050%, 01/09/2025	500,000	486,406
Johnson Controls, Inc.		
5.700%, 03/01/2041	150,000	138,284
L3Harris Technologies, Inc.		
2.900%, 12/15/2029	300,000	271,094
Lockheed Martin Corp.		
3.800%, 03/01/2045	400,000	343,886
Norfolk Southern Corp.		
4.837%, 10/01/2041	240,000	231,220
Northrop Grumman Corp.		
3.250%, 01/15/2028	300,000	286,674
4.400%, 05/01/2030	200,000	198,902
Precision Castparts Corp.		
3.250%, 06/15/2025	500,000	489,624
Republic Services, Inc.		
2.375%, 03/15/2033 (B)	400,000	334,306
RTX Corp.		
4.625%, 11/16/2048	500,000	456,228
6.125%, 07/15/2038	225,000	243,331
Southwest Airlines Company		
5.250%, 05/04/2025	1,200,000	1,199,591
Stanley Black & Decker, Inc.		
2.750%, 11/15/2050	300,000	184,790
The Boeing Company		
2.600%, 10/30/2025	438,000	418,857
2.950%, 02/01/2030	400,000	360,370
3.750%, 02/01/2050	400,000	310,404
5.805%, 05/01/2050	600,000	621,331
8.750%, 09/15/2031	90,000	111,400
Thomson Reuters Corp.		
4.500%, 05/23/2043	250,000	204,688
Trane Technologies Global Holding Company, Ltd.		
4.300%, 02/21/2048	600,000	532,052
Union Pacific Corp.		
3.250%, 08/15/2025	500,000	488,681
3.799%, 10/01/2051 to 04/06/2071	1,113,000	893,419
United Airlines 2016-2 Class AA Pass Through Trust		
2.875%, 10/07/2028	206,355	184,374



# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
United Parcel Service, Inc. 3.400%, 03/15/2029	\$ 400,000	\$ 386,570
Verisk Analytics, Inc. 4.125%, 03/15/2029	600,000	585,301
Waste Management, Inc. 2.500%, 11/15/2050	300,000	199,262
		21,125,553
<b>Information technology – 1.8%</b>		
Apple, Inc. 1.650%, 05/11/2030	900,000	769,656
2.450%, 08/04/2026	1,060,000	1,010,379
3.250%, 02/23/2026	500,000	487,834
4.100%, 08/08/2062	700,000	623,492
Applied Materials, Inc. 3.900%, 10/01/2025	470,000	463,420
5.100%, 10/01/2035	470,000	493,269
Broadcom, Inc. 2.600%, 02/15/2033 (C)	1,000,000	823,849
3.137%, 11/15/2035 (C)	600,000	492,590
4.300%, 11/15/2032	700,000	671,555
Cisco Systems, Inc. 5.900%, 02/15/2039	80,000	88,737
Dell International LLC 5.300%, 10/01/2029	600,000	617,881
Eaton Corp. 3.103%, 09/15/2027	500,000	478,754
Hewlett Packard Enterprise Company 6.200%, 10/15/2035	400,000	438,628
HP, Inc. 6.000%, 09/15/2041 (B)	500,000	526,690
IBM Corp. 3.450%, 02/19/2026	1,115,000	1,085,936
4.000%, 06/20/2042	210,000	182,754
5.600%, 11/30/2039	21,000	22,123
Intel Corp. 2.000%, 08/12/2031 (B)	500,000	422,236
5.200%, 02/10/2033	1,000,000	1,044,679
Microsoft Corp. 2.525%, 06/01/2050	1,538,000	1,049,951
3.125%, 11/03/2025	438,000	427,525
NVIDIA Corp. 2.000%, 06/15/2031	400,000	342,849
NXP BV 3.400%, 05/01/2030	520,000	477,851
Oracle Corp. 2.650%, 07/15/2026	310,000	293,934
2.875%, 03/25/2031	400,000	354,341
2.950%, 05/15/2025	550,000	533,815
4.000%, 11/15/2047	400,000	316,832
4.125%, 05/15/2045	500,000	407,861
Qualcomm, Inc. 1.650%, 05/20/2032	566,000	461,638
Roper Technologies, Inc. 4.200%, 09/15/2028	500,000	491,252
Salesforce, Inc. 2.700%, 07/15/2041	400,000	305,524
Texas Instruments, Inc. 3.875%, 03/15/2039	200,000	184,509
VMware LLC 1.800%, 08/15/2028	400,000	350,693
Xerox Corp. 6.750%, 12/15/2039	60,000	52,314
		16,795,351

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials – 0.7%</b>		
Air Products and Chemicals, Inc. 1.850%, 05/15/2027	\$ 500,000	\$ 460,875
Avery Dennison Corp. 2.650%, 04/30/2030	400,000	353,395
DuPont de Nemours, Inc. 5.319%, 11/15/2038	400,000	410,269
Eastman Chemical Company 4.650%, 10/15/2044	500,000	438,803
Glencore Funding LLC 2.625%, 09/23/2031 (C)	500,000	424,257
Huntsman International LLC 4.500%, 05/01/2029	500,000	481,645
International Paper Company 5.000%, 09/15/2035	500,000	498,476
LYB International Finance II BV 3.500%, 03/02/2027	400,000	383,681
Martin Marietta Materials, Inc. 2.400%, 07/15/2031	300,000	254,501
Newmont Corp. 4.875%, 03/15/2042	270,000	262,110
Nucor Corp. 2.700%, 06/01/2030	300,000	271,583
Potash Corp. of Saskatchewan, Inc. 5.625%, 12/01/2040	150,000	145,808
Rio Tinto Alcan, Inc. 6.125%, 12/15/2033	100,000	109,646
Rio Tinto Finance USA PLC 4.750%, 03/22/2042	270,000	261,280
Rio Tinto Finance USA, Ltd. 5.200%, 11/02/2040	250,000	257,253
Teck Resources, Ltd. 6.250%, 07/15/2041	270,000	277,903
The Dow Chemical Company 4.375%, 11/15/2042	590,000	520,926
9.400%, 05/15/2039	130,000	180,803
The Sherwin-Williams Company 3.450%, 06/01/2027	300,000	289,575
Vale Overseas, Ltd. 6.875%, 11/10/2039	350,000	384,330
Vulcan Materials Company 3.500%, 06/01/2030	300,000	279,039
		6,946,158
<b>Real estate – 0.9%</b>		
Alexandria Real Estate Equities, Inc. 1.875%, 02/01/2033 (B)	400,000	311,387
American Tower Corp. 5.000%, 02/15/2024	500,000	499,361
AvalonBay Communities, Inc. 2.050%, 01/15/2032 (B)	400,000	334,993
Boston Properties LP 2.550%, 04/01/2032	500,000	398,035
Brixmor Operating Partnership LP 4.125%, 05/15/2029	700,000	666,157
Crown Castle, Inc. 2.500%, 07/15/2031	300,000	250,117
3.700%, 06/15/2026	400,000	385,994
CubeSmart LP 4.000%, 11/15/2025	200,000	194,533
Digital Realty Trust LP 4.450%, 07/15/2028	200,000	195,274
Duke Realty LP 3.250%, 06/30/2026	200,000	190,592
Equinix, Inc. 2.150%, 07/15/2030	400,000	338,892

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
Essex Portfolio LP		
3.000%, 01/15/2030	\$ 400,000	\$ 356,660
Extra Space Storage LP		
2.350%, 03/15/2032	500,000	407,559
GLP Capital LP		
5.300%, 01/15/2029	600,000	596,531
Healthpeak OP LLC		
3.500%, 07/15/2029	400,000	373,132
Mid-America Apartments LP		
3.950%, 03/15/2029	800,000	776,914
Service Properties Trust		
4.500%, 03/15/2025	200,000	195,250
Simon Property Group LP		
3.375%, 06/15/2027	500,000	479,020
3.500%, 09/01/2025	441,500	431,259
Sun Communities Operating LP		
5.700%, 01/15/2033	1,000,000	1,012,313
Welltower OP LLC		
2.750%, 01/15/2031	500,000	435,468
		8,829,441
<b>Utilities – 2.1%</b>		
AEP Transmission Company LLC		
3.750%, 12/01/2047	400,000	317,059
Ameren Corp.		
3.500%, 01/15/2031	1,000,000	912,383
American Water Capital Corp.		
4.300%, 09/01/2045	350,000	307,920
Arizona Public Service Company		
3.350%, 05/15/2050 (B)	500,000	353,650
Baltimore Gas & Electric Company		
4.550%, 06/01/2052	700,000	641,392
Berkshire Hathaway Energy Company		
4.500%, 02/01/2045	500,000	462,402
6.125%, 04/01/2036	436,000	472,467
CenterPoint Energy, Inc.		
2.950%, 03/01/2030	700,000	618,768
Consolidated Edison Company of New York, Inc.		
3.950%, 04/01/2050	700,000	584,151
Constellation Energy Generation LLC		
6.250%, 10/01/2039	160,000	171,063
Dominion Energy, Inc.		
3.375%, 04/01/2030	600,000	552,371
3.900%, 10/01/2025	242,000	237,399
Duke Energy Carolinas LLC		
6.000%, 01/15/2038	200,000	215,046
Duke Energy Corp.		
3.750%, 04/15/2024	500,000	497,260
4.800%, 12/15/2045	500,000	454,730
5.000%, 08/15/2052	600,000	560,085
Entergy Texas, Inc.		
1.750%, 03/15/2031	700,000	573,307
Essential Utilities, Inc.		
4.276%, 05/01/2049	500,000	415,125
Eversource Energy		
4.250%, 04/01/2029	500,000	484,929
Exelon Corp.		
3.400%, 04/15/2026	542,000	524,695
Florida Power & Light Company		
5.650%, 02/01/2037	290,000	308,661
Georgia Power Company		
5.950%, 02/01/2039	335,000	347,739
Indiana Michigan Power Company		
3.850%, 05/15/2028	600,000	578,993
6.050%, 03/15/2037	187,000	199,406

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
NextEra Energy Capital Holdings, Inc.		
2.250%, 06/01/2030	\$ 700,000	\$ 598,800
5.250%, 02/28/2053	700,000	687,525
NiSource, Inc.		
3.950%, 03/30/2048	400,000	323,065
5.400%, 06/30/2033	1,000,000	1,031,078
Oncor Electric Delivery Company LLC		
7.500%, 09/01/2038	188,000	229,794
Pacific Gas & Electric Company		
2.500%, 02/01/2031	600,000	494,934
3.450%, 07/01/2025	30,000	29,034
3.750%, 07/01/2028	30,000	28,101
4.550%, 07/01/2030	227,000	216,190
4.950%, 07/01/2050	827,000	706,415
PacifiCorp		
6.000%, 01/15/2039	335,000	349,777
Public Service Company of Colorado		
3.600%, 09/15/2042	500,000	394,349
Public Service Electric & Gas Company		
3.000%, 05/15/2025	250,000	243,938
San Diego Gas & Electric Company		
6.125%, 09/15/2037	202,000	214,289
Southern California Edison Company		
2.250%, 06/01/2030	700,000	600,723
5.350%, 07/15/2035	130,000	134,409
Southern California Gas Company		
6.350%, 11/15/2052	500,000	571,671
The Southern Company		
3.250%, 07/01/2026	572,000	551,787
4.400%, 07/01/2046	500,000	440,216
Virginia Electric & Power Company		
8.875%, 11/15/2038	190,000	258,972
Xcel Energy, Inc.		
3.300%, 06/01/2025	400,000	390,173
		19,286,241
<b>TOTAL CORPORATE BONDS (Cost \$262,816,448)</b>		<b>\$ 247,651,199</b>
<b>MUNICIPAL BONDS – 0.4%</b>		
Bay Area Toll Authority (California)		
6.907%, 10/01/2050	50,000	63,020
Illinois State Toll Highway Authority		
6.184%, 01/01/2034	150,000	164,789
Maryland State Transportation Authority		
5.888%, 07/01/2043	60,000	65,188
Metropolitan Washington Airports Authority		
7.462%, 10/01/2046	40,000	50,727
New Jersey Turnpike Authority		
7.102%, 01/01/2041	90,000	108,800
New York State Dormitory Authority		
5.628%, 03/15/2039	340,000	352,050
New York State Urban Development Corp.		
5.770%, 03/15/2039	300,000	308,886
State of California, GO		
7.300%, 10/01/2039	400,000	483,598
State of California, GO		
7.500%, 04/01/2034	80,000	97,081
State of Illinois, GO		
5.100%, 06/01/2033	115,000	113,786
State of Illinois, GO		
7.350%, 07/01/2035	240,000	260,680
State of Texas, GO		
5.517%, 04/01/2039	260,000	278,454

# John Hancock Variable Insurance Trust

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

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
State of Utah, GO 3.539%, 07/01/2025	\$ 181,658	\$ 179,453
State of Utah, GO 4.554%, 07/01/2024	55,000	54,851
State of Washington, GO 5.481%, 08/01/2039	260,000	275,547
Texas Transportation Commission State Highway Fund 5.178%, 04/01/2030	310,000	317,151
University of California 5.770%, 05/15/2043	320,000	346,046
<b>TOTAL MUNICIPAL BONDS (Cost \$3,342,157)</b>		<b>\$ 3,520,107</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 1.7%</b>		
<b>Commercial and residential – 1.5%</b>		
Banc of America Commercial Mortgage Trust Series 2015-UBS7, Class A4 3.705%, 09/15/2048	145,000	139,358
<b>BANK</b>		
Series 2017-BNK6, Class A4, 3.254%, 07/15/2060	2,000,000	1,891,159
Series 2022-BNK39, Class A4, 2.928%, 02/15/2055 (D)	2,000,000	1,722,859
<b>BMO Mortgage Trust</b>		
Series 2022-C1, Class A5 3.374%, 02/15/2055 (D)	2,000,000	1,775,055
<b>CD Mortgage Trust</b>		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	1,090,000	1,011,554
<b>Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)</b>		
Series 2014-CR21, Class A3 3.528%, 12/10/2047	576,816	563,261
<b>GS Mortgage Securities Trust</b>		
Series 2016-GS4, Class A3, 3.178%, 11/10/2049	2,846,635	2,698,704
Series 2017-GS5, Class A3, 3.409%, 03/10/2050	2,742,204	2,555,316
<b>Morgan Stanley Capital Trust</b>		
Series 2021-L5, Class A4 2.728%, 05/15/2054	2,000,000	1,713,357
<b>Wells Fargo Commercial Mortgage Trust</b>		
Series 2015-C29, Class AS 4.013%, 06/15/2048 (D)	500,000	480,293
		14,550,916
<b>U.S. Government Agency – 0.2%</b>		
<b>Federal Home Loan Mortgage Corp.</b>		
Series K041, Class A2, 3.171%, 10/25/2024	692,523	680,798
Series K047, Class A2, 3.329%, 05/25/2025 (D)	700,000	685,344
Series K050, Class A2, 3.334%, 08/25/2025 (D)	700,000	684,318
		2,050,460
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$17,924,278)</b>		<b>\$ 16,601,376</b>
<b>ASSET BACKED SECURITIES – 0.5%</b>		
<b>Carmax Auto Owner Trust</b>		
Series 2022-4, Class A4 5.700%, 07/17/2028	1,000,000	1,017,803
<b>GM Financial Automobile Leasing Trust</b>		
Series 2023-2, Class A4 5.090%, 05/20/2027	1,300,000	1,299,333

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
<b>SMB Private Education Loan Trust</b>		
Series 2021-E, Class A1A 1.680%, 02/15/2051 (C)	\$ 1,064,434	\$ 962,497
<b>Toyota Auto Receivables Owner Trust</b>		
Series 2023-B, Class A4 4.660%, 09/15/2028	1,250,000	1,247,755
<b>TOTAL ASSET BACKED SECURITIES (Cost \$4,619,253)</b>		<b>\$ 4,527,388</b>
<b>SHORT-TERM INVESTMENTS – 0.6%</b>		
<b>Short-term funds – 0.6%</b>		
John Hancock Collateral Trust, 5.3645% (E)(F)	559,893	5,599,037
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$5,599,249)</b>		<b>\$ 5,599,037</b>
<b>Total Investments (Total Bond Market Trust) (Cost \$1,003,469,157) – 99.4%</b>		
<b>Other assets and liabilities, net – 0.6%</b>		<b>\$ 935,230,778</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 940,494,572</b>

### Security Abbreviations and Legend

CME	CME Group Published Rates
CMT	Constant Maturity Treasury
GO	General Obligation
IBOR	Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(B)	All or a portion of this security is on loan as of 12-31-23.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	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 12-31-23.
(F)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$3,666,117.

## Ultra Short Term Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 0.6%</b>		
<b>U.S. Government Agency – 0.6%</b>		
<b>Federal Home Loan Mortgage Corp.</b>		
4.815%, (6 month Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.565%), 12/01/2036 (A)	\$ 19,714	\$ 19,840
4.920%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.585%), 05/01/2037 (A)	47,208	47,741
5.264%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.558%), 02/01/2036 (A)	27,793	28,062
5.340%, (1 Year CMT + 2.231%), 05/01/2034 (A)	82,894	83,194
5.385%, (1 Year CMT + 2.084%), 12/01/2035 (A)	73,153	73,312

# John Hancock Variable Insurance Trust

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

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan Mortgage Corp. (continued)		
5.466%, (1 Year CMT + 2.165%), 11/01/2036 (A)	\$ 57,478	\$ 57,854
5.558%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.639%), 09/01/2043 (A)	166,805	169,183
5.697%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.447%), 06/01/2036 (A)	14,114	14,249
6.295%, (1 Year CMT + 2.295%), 08/01/2035 (A)	55,105	55,632
7.390%, (6 month Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.515%), 12/01/2035 (A)	15,923	16,002
Federal National Mortgage Association		
5.135%, (1 Year CMT + 2.194%), 02/01/2035 (A)	92,231	93,479
5.247%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.295%), 10/01/2038 (A)	22,971	23,102
5.388%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.567%), 07/01/2035 (A)	96,997	98,237
5.493%, (1 Year CMT + 2.168%), 01/01/2036 (A)	80,227	81,088
5.557%, (1 Year Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.454%), 04/01/2035 (A)	190,782	192,320
5.729%, (1 Year CMT + 2.273%), 07/01/2035 (A)	61,921	62,671
5.927%, (1 Year CMT + 2.204%), 05/01/2036 (A)	115,963	117,253
5.934%, (1 Year CMT + 2.147%), 01/01/2036 (A)	27,895	28,193
6.098%, (1 Year CMT + 2.333%), 05/01/2034 (A)	39,621	40,145
7.288%, (6 month Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.517%), 02/01/2035 (A)	40,289	40,568
7.292%, (6 month Refinitiv USD IBOR Consumer Cash Fallback Rate + 1.486%), 10/01/2035 (A)	74,033	74,527
Government National Mortgage Association		
3.625%, (1 Year CMT + 1.500%), 08/20/2032 (A)	79,579	78,181
		1,494,833
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$1,552,268)</b>		\$ 1,494,833
<b>CORPORATE BONDS – 54.3%</b>		
<b>Communication services – 1.8%</b>		
AT&T, Inc.		
0.900%, 03/25/2024	1,445,000	1,429,066
Comcast Corp.		
3.950%, 10/15/2025	2,000,000	1,972,591
WarnerMedia Holdings, Inc.		
3.638%, 03/15/2025	1,111,000	1,086,891
		4,488,548
<b>Consumer discretionary – 8.6%</b>		
Amazon.com, Inc.		
0.450%, 05/12/2024	4,455,000	4,376,272
2.730%, 04/13/2024	2,000,000	1,985,584

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
American Honda Finance Corp.		
3.550%, 01/12/2024	\$ 2,000,000	\$ 1,998,914
BMW US Capital LLC		
2.800%, 04/11/2026 (B)	3,000,000	2,880,703
Booking Holdings, Inc.		
3.650%, 03/15/2025	2,000,000	1,968,523
General Motors Financial Company, Inc.		
5.100%, 01/17/2024	2,000,000	1,999,252
Hyundai Capital America		
0.800%, 01/08/2024 (B)	3,000,000	2,997,956
Toyota Motor Credit Corp.		
3.350%, 01/08/2024	3,360,000	3,358,826
		21,566,030
<b>Consumer staples – 2.3%</b>		
Anheuser-Busch Companies LLC		
3.650%, 02/01/2026	595,000	584,176
Dollar Tree, Inc.		
4.000%, 05/15/2025	2,906,000	2,852,535
Kenvue, Inc.		
5.500%, 03/22/2025	1,000,000	1,008,127
Walmart, Inc.		
2.850%, 07/08/2024	1,370,000	1,352,800
		5,797,638
<b>Energy – 1.4%</b>		
Enterprise Products Operating LLC		
3.900%, 02/15/2024	2,000,000	1,995,414
MPLX LP		
4.875%, 06/01/2025	1,500,000	1,490,142
		3,485,556
<b>Financials – 23.2%</b>		
Ally Financial, Inc.		
3.875%, 05/21/2024	2,000,000	1,982,708
American Express Company		
3.400%, 02/22/2024	3,000,000	2,996,604
Athene Global Funding		
0.950%, 01/08/2024 (B)	3,000,000	2,997,804
Bank of America Corp.		
4.000%, 04/01/2024	2,000,000	1,992,240
5.758%, (Overnight SOFR + 0.410%), 06/14/2024 (A)	2,855,000	2,850,963
Bank of Montreal		
2.150%, 03/08/2024	3,000,000	2,980,289
Barclays PLC		
3.932%, (3.932% to 5-7-24, then 3 month LIBOR + 1.610%), 05/07/2025	2,000,000	1,986,114
Blackstone Private Credit Fund		
7.050%, 09/29/2025	2,000,000	2,035,360
Brighthouse Financial Global Funding		
6.111%, (Overnight SOFR + 0.760%), 04/12/2024 (A)(B)	2,000,000	1,995,899
Capital One Financial Corp.		
3.750%, 04/24/2024	3,176,000	3,154,116
Citigroup, Inc.		
3.352%, (3.352% to 4-24-24, then 3 month CME Term SOFR + 1.158%), 04/24/2025	3,000,000	2,977,017
Citizens Bank NA		
6.064%, (6.064% to 10-24-24, then Overnight SOFR + 1.450%), 10/24/2025	1,333,000	1,300,432
Discover Bank		
4.250%, 03/13/2026	2,000,000	1,937,624
Fifth Third Bancorp		
3.650%, 01/25/2024	3,000,000	2,995,058

# John Hancock Variable Insurance Trust

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

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
JPMorgan Chase & Co. 3.900%, 07/15/2025	\$ 3,000,000	\$ 2,953,407
5.546%, (5.546% to 12-15-24, then Overnight SOFR + 1.070%), 12/15/2025	1,750,000	1,751,114
Morgan Stanley 2.188%, (2.188% to 4-28-25, then Overnight SOFR + 1.990%), 04/28/2026	2,000,000	1,921,309
3.875%, 04/29/2024	2,000,000	1,989,235
Royal Bank of Canada 5.660%, 10/25/2024	2,000,000	2,004,578
Santander Holdings USA, Inc. 3.244%, 10/05/2026	3,000,000	2,825,746
The Toronto-Dominion Bank 1.200%, 06/03/2026	2,000,000	1,836,135
Visa, Inc. 3.150%, 12/14/2025	3,000,000	2,927,006
Wells Fargo & Company 3.300%, 09/09/2024	2,765,000	2,728,499
3.750%, 01/24/2024	3,000,000	2,995,945
		58,115,202
<b>Health care – 7.6%</b>		
AbbVie, Inc. 3.200%, 05/14/2026	3,000,000	2,907,545
Boston Scientific Corp. 1.900%, 06/01/2025	1,000,000	956,810
Bristol-Myers Squibb Company 3.200%, 06/15/2026	3,000,000	2,910,837
CVS Health Corp. 5.000%, 02/20/2026	3,000,000	3,014,173
HCA, Inc. 5.875%, 02/15/2026	2,000,000	2,017,010
Pfizer Investment Enterprises Pte, Ltd. 4.450%, 05/19/2026	3,000,000	2,991,511
The Cigna Group 0.613%, 03/15/2024	3,000,000	2,970,015
UnitedHealth Group, Inc. 3.500%, 02/15/2024	1,360,000	1,356,480
		19,124,381
<b>Industrials – 3.1%</b>		
3M Company 3.000%, 08/07/2025 (C)	3,000,000	2,907,610
AerCap Ireland Capital DAC 3.150%, 02/15/2024	2,000,000	1,992,072
Daimler Truck Finance North America LLC 5.200%, 01/17/2025 (B)	875,000	874,448
The Boeing Company 1.433%, 02/04/2024	2,000,000	1,991,489
		7,765,619
<b>Information technology – 2.4%</b>		
Apple, Inc. 0.700%, 02/08/2026	1,000,000	926,169
2.850%, 05/11/2024	2,000,000	1,981,298
NXP BV 4.875%, 03/01/2024	3,000,000	2,994,209
		5,901,676
<b>Materials – 2.4%</b>		
Georgia-Pacific LLC 0.625%, 05/15/2024 (B)	3,000,000	2,945,777

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Graphic Packaging International LLC 0.821%, 04/15/2024 (B)	\$ 3,000,000	\$ 2,959,581
		5,905,358
<b>Real estate – 0.5%</b>		
Realty Income Corp. 5.050%, 01/13/2026	1,143,000	1,142,051
<b>Utilities – 1.0%</b>		
NextEra Energy Capital Holdings, Inc. 4.450%, 06/20/2025	2,500,000	2,478,054
<b>TOTAL CORPORATE BONDS (Cost \$136,699,749)</b>		<b>\$ 135,770,113</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 0.2%</b>		
<b>Commercial and residential – 0.0%</b>		
COLT Mortgage Loan Trust Series 2020-3, Class A1 1.506%, 04/27/2025 (B)(D)	128,510	119,994
<b>U.S. Government Agency – 0.2%</b>		
Federal National Mortgage Association Series 2013-10, Class FT (30 day Average SOFR + 0.464%) 5.802%, 04/25/2024 (A)	426,627	419,079
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$556,068)</b>		<b>\$ 539,073</b>
<b>ASSET BACKED SECURITIES – 16.1%</b>		
American Express Credit Account Master Trust Series 2022-3, Class A 3.750%, 08/15/2027	2,000,000	1,965,915
AmeriCredit Automobile Receivables Trust Series 2020-1, Class C 1.590%, 10/20/2025	1,111,477	1,102,935
Series 2022-1, Class A3 2.450%, 11/18/2026	862,827	846,078
BA Credit Card Trust Series 2021-A1, Class A1 0.440%, 09/15/2026	3,753,000	3,698,266
Capital One Multi-Asset Execution Trust Series 2021-A1, Class A1 0.550%, 07/15/2026	720,000	701,331
Series 2023-A1, Class A 4.420%, 05/15/2028	2,000,000	1,991,926
CarMax Auto Owner Trust Series 2021-3, Class A3 0.550%, 06/15/2026	1,746,598	1,692,192
Series 2022-1, Class A3 1.470%, 12/15/2026	723,904	701,097
Carvana Auto Receivables Trust Series 2021-N4, Class A1 0.830%, 09/11/2028	179,785	177,878
Series 2022-P3, Class A3 4.610%, 11/10/2027	1,000,000	989,346
CCG Receivables Trust Series 2021-1, Class A2 0.300%, 06/14/2027 (B)	263,008	259,879
Chesapeake Funding II LLC Series 2020-1A, Class A1 0.870%, 08/15/2032 (B)	55,277	54,898
CNH Equipment Trust Series 2020-A, Class A4 1.510%, 04/15/2027	939,797	933,309

# John Hancock Variable Insurance Trust

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

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Enterprise Fleet Funding LLC Series 2021-1, Class A2 0.440%, 12/21/2026 (B)	\$ 161,611	\$ 159,850
GM Financial Automobile Leasing Trust Series 2022-3, Class A3 4.010%, 09/22/2025	2,367,618	2,353,314
GM Financial Consumer Automobile Receivables Trust Series 2021-1, Class A3 0.350%, 10/16/2025	411,666	406,169
GreatAmerica Leasing Receivables Funding LLC Series 2021-1, Class A4 0.550%, 12/15/2026 (B)	1,500,000	1,452,399
Series 2022-1, Class A3 5.080%, 09/15/2026 (B)	1,500,000	1,492,034
Harley-Davidson Motorcycle Trust Series 2021-B, Class A3 0.560%, 11/16/2026	794,734	775,235
Honda Auto Receivables Owner Trust Series 2020-3, Class A3 0.370%, 10/18/2024	50,590	50,452
Series 2021-1, Class A3 0.270%, 04/21/2025	181,278	179,077
Series 2021-4, Class A3 0.880%, 01/21/2026	1,044,828	1,013,853
Hyundai Auto Lease Securitization Trust Series 2022-A, Class A4 1.320%, 12/15/2025 (B)	1,500,000	1,477,879
Series 2022-C, Class A3 4.380%, 10/15/2025 (B)	900,000	893,956
John Deere Owner Trust Series 2020-B, Class A4 0.720%, 06/15/2027	1,274,818	1,272,079
Series 2023-A, Class A2 5.280%, 03/16/2026	2,436,766	2,432,706
MMAF Equipment Finance LLC Series 2019-B, Class A3 2.010%, 12/12/2024 (B)	11,969	11,915
Series 2022-B, Class A2 5.570%, 09/09/2025 (B)	206,847	206,580
Nissan Auto Receivables Owner Trust Series 2020-B, Class A4 0.710%, 02/16/2027	283,409	280,853
PFS Financing Corp. Series 2020-G, Class A 0.970%, 02/15/2026 (B)	3,000,000	2,982,409
Santander Consumer Auto Receivables Trust Series 2021-AA, Class A3 0.330%, 10/15/2025 (B)	21,447	21,413
Santander Drive Auto Receivables Trust Series 2021-3, Class C 0.950%, 09/15/2027	678,239	672,206
Santander Retail Auto Lease Trust Series 2021-B, Class A4 0.540%, 06/20/2025 (B)	884,583	880,384
Series 2022-A, Class A3 1.340%, 07/21/2025 (B)	1,691,563	1,662,086
Series 2022-B, Class A2 2.840%, 05/20/2025 (B)	71,133	71,019
SCF Equipment Leasing LLC Series 2021-1A, Class A3 0.830%, 08/21/2028 (B)	239,403	235,907
T-Mobile US Trust Series 2022-1A, Class A 4.910%, 05/22/2028 (B)	1,500,000	1,496,917

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
World Omni Auto Receivables Trust Series 2021-D, Class A3 0.810%, 10/15/2026	\$ 1,044,347	\$ 1,013,533
World Omni Automobile Lease Securitization Trust Series 2022-A, Class A3 3.210%, 02/18/2025	1,763,562	1,752,578
<b>TOTAL ASSET BACKED SECURITIES (Cost \$40,179,078)</b>		<b>\$ 40,361,853</b>
<b>SHORT-TERM INVESTMENTS – 29.4%</b>		
<b>U.S. Government – 26.5%</b>		
U.S. Treasury Bill		
5.228%, 04/02/2024 *	20,075,000	19,810,681
5.248%, 02/15/2024 *	16,860,000	16,752,000
5.251%, 02/08/2024 *	8,910,000	8,861,746
5.318%, 01/25/2024 *	11,097,000	11,059,618
5.336%, 01/11/2024 *	9,805,000	9,792,188
		<b>66,276,233</b>
<b>Short-term funds – 2.9%</b>		
John Hancock Collateral Trust, 5.3645% (E)(F)	715,762	7,157,765
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$73,422,940)</b>		<b>\$ 73,433,998</b>
<b>Total Investments (Ultra Short Term Bond Trust) (Cost \$252,410,103) – 100.6%</b>		
<b>Other assets and liabilities, net – (0.6%)</b>		
		<b>\$ 251,599,870</b>
		<b>(1,596,293)</b>
		<b>\$ 250,003,577</b>

### Security Abbreviations and Legend

CME	CME Group Published Rates
CMT	Constant Maturity Treasury
IBOR	Interbank Offered Rate
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 \$31,131,687 or 12.5% of the fund's net assets as of 12-31-23.
(C)	All or a portion of this security is on loan as of 12-31-23.
(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 12-31-23.
(F)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$2,977,433.
*	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.