

John Hancock Variable Insurance Trust

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

Active Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 32.7%		
U.S. Government – 10.6%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 2,000,000	\$ 1,810,313
1.375%, 08/15/2050	8,272,000	7,729,150
2.250%, 08/15/2049	1,579,000	1,803,267
2.500%, 02/15/2045	10,888,000	12,960,123
2.750%, 11/15/2042	5,650,000	6,988,123
2.875%, 05/15/2049	3,000,000	3,865,547
3.000%, 02/15/2047	5,420,000	7,073,523
3.125%, 11/15/2041	3,886,000	5,074,266
3.375%, 11/15/2048	2,300,000	3,224,313
U.S. Treasury Notes		
0.375%, 11/30/2025	337,000	337,395
0.875%, 11/15/2030	2,706,000	2,695,430
2.375%, 05/15/2027 to 05/15/2029	13,000,000	14,596,953
2.875%, 08/15/2028	10,000,000	11,610,547
		79,768,950
U.S. Government Agency – 22.1%		
Federal Home Loan Mortgage Corp.		
2.500%, 08/01/2050	310,999	332,364
3.000%, 03/01/2043 to 01/01/2050	15,295,476	16,316,235
3.500%, 10/01/2046 to 12/01/2049	12,304,285	13,317,916
4.000%, 01/01/2041 to 08/01/2048	1,255,790	1,372,804
4.500%, 09/01/2023 to 10/01/2041	1,815,301	2,026,305
Federal National Mortgage Association		
2.000%, TBA (A)	4,105,000	4,267,257
2.000%, 09/01/2050 to 10/01/2050	8,052,128	8,408,286
2.372%, (6 month LIBOR + 2.122%), 07/01/2033 (B)	17,711	18,413
2.500%, TBA (A)	1,405,000	1,481,561
2.500%, 09/01/2050	1,074,559	1,148,380
2.618%, (12 month LIBOR + 1.608%), 08/01/2034 (B)	228,990	237,945
3.000%, TBA (A)	26,250,000	27,501,981
3.000%, 01/01/2043 to 11/01/2049	14,223,314	15,169,690
3.500%, TBA (A)	25,000,000	26,429,695
3.500%, 06/01/2042 to 04/01/2050	14,240,564	15,409,990
4.000%, TBA (A)	16,000,000	17,086,250
4.000%, 10/01/2025 to 11/01/2045	5,296,061	5,832,919
4.500%, 05/01/2041	1,511,927	1,693,652
5.000%, 01/01/2022 to 02/01/2036	1,504,919	1,722,636
5.500%, 09/01/2034 to 01/01/2037	1,894,156	2,208,423
6.000%, 05/01/2035 to 02/01/2036	1,445,262	1,707,587
7.000%, 09/01/2031 to 06/01/2032	117,851	139,326
7.500%, 09/01/2029 to 08/01/2031	25,440	29,571
Government National Mortgage Association		
4.000%, 02/15/2041	1,290,393	1,431,522
5.000%, 04/15/2035	208,690	236,753
5.500%, 03/15/2035	102,080	118,269
6.000%, 03/15/2033 to 06/15/2033	135,275	157,074
6.500%, 09/15/2028 to 08/15/2031	33,439	37,971
7.000%, 04/15/2029	29,932	34,226
8.000%, 10/15/2026	14,840	16,557
		165,891,558
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$233,094,829)	\$	245,660,508
FOREIGN GOVERNMENT OBLIGATIONS – 0.6%		
Argentina – 0.0%		
Republic of Argentina, GDP-Linked Note		
6.475%, 12/15/2035 (C)*	ARS 19,532,033	4,088
Germany – 0.2%		
Federal Republic of Germany		
6.250%, 01/04/2030	EUR 725,000	1,454,852

Active Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Mexico – 0.1%		
Government of Mexico		
8.000%, 12/07/2023	MXN 11,861,100	\$ 654,034
Panama – 0.1%		
Republic of Panama		
8.875%, 09/30/2027	\$ 344,000	496,220
9.375%, 04/01/2029	130,000	202,475
		698,695
Qatar – 0.1%		
State of Qatar		
3.375%, 03/14/2024 (D)	428,000	463,310
5.103%, 04/23/2048 (D)	255,000	358,445
		821,755
Saudi Arabia – 0.1%		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (D)	640,000	759,770
United Kingdom – 0.0%		
Government of United Kingdom		
6.000%, 12/07/2028	GBP 85,000	170,345
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$4,117,754)		
	\$	4,563,539
CORPORATE BONDS – 48.6%		
Communication services – 5.5%		
Activision Blizzard, Inc.		
3.400%, 09/15/2026	\$ 218,000	247,893
ANGI Group LLC		
3.875%, 08/15/2028 (D)	221,000	224,921
AT&T, Inc.		
2.300%, 06/01/2027	322,000	343,206
2.550%, 12/01/2033 (D)	425,000	437,019
3.100%, 02/01/2043	513,000	518,856
3.500%, 09/15/2053 (D)	570,000	567,827
3.650%, 06/01/2051	147,000	153,647
4.350%, 06/15/2045	285,000	328,787
7.625%, 04/15/2031	451,000	657,173
C&W Senior Financing DAC		
6.875%, 09/15/2027 (D)	315,000	339,844
Cable One, Inc.		
4.000%, 11/15/2030 (D)	126,000	130,883
CenturyLink, Inc.		
4.000%, 02/15/2027 (D)	150,000	154,875
4.500%, 01/15/2029 (D)	386,000	392,755
7.600%, 09/15/2039	1,000,000	1,215,000
Charter Communications Operating LLC		
2.800%, 04/01/2031	400,000	422,548
4.200%, 03/15/2028	671,000	773,936
4.800%, 03/01/2050	715,000	853,127
5.750%, 04/01/2048	775,000	1,012,537
6.484%, 10/23/2045	630,000	892,700
Cincinnati Bell, Inc.		
7.000%, 07/15/2024 (D)	431,000	448,240
Comcast Corp.		
3.969%, 11/01/2047	633,000	791,471
3.999%, 11/01/2049	864,000	1,087,658
4.049%, 11/01/2052	536,000	684,236
4.150%, 10/15/2028	1,359,000	1,635,211
Cox Communications, Inc.		
1.800%, 10/01/2030 (D)	252,000	251,590
2.950%, 10/01/2050 (D)	347,000	354,101
CSC Holdings LLC		
5.375%, 02/01/2028 (D)	135,000	144,113
5.750%, 01/15/2030 (D)	416,000	456,040
5.875%, 09/15/2022	215,000	227,631
7.500%, 04/01/2028 (D)	220,000	247,408

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Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Deutsche Telekom International Finance BV		
8.750%, 06/15/2030	\$ 758,000	\$ 1,198,582
Fox Corp.		
3.500%, 04/08/2030	400,000	454,125
Frontier Communications Corp.		
5.875%, 10/15/2027 (D)	56,000	60,550
GCI LLC		
4.750%, 10/15/2028 (D)	179,000	190,912
Globo Comunicacao e Participacoes SA		
4.875%, 01/22/2030 (D)	400,000	427,004
Level 3 Financing, Inc.		
3.400%, 03/01/2027 (D)	432,000	470,284
Lions Gate Capital Holdings LLC		
5.875%, 11/01/2024 (D)	287,000	291,305
6.375%, 02/01/2024 (D)	19,000	19,475
Liquid Telecommunications Financing PLC		
8.500%, 07/13/2022 (D)	210,000	214,410
Match Group Holdings II LLC		
4.125%, 08/01/2030 (D)	234,000	242,775
MDC Partners, Inc.		
6.500%, 05/01/2024 (D)	502,000	508,903
Meredith Corp.		
6.875%, 02/01/2026	498,000	485,550
MTN Mauritius Investments, Ltd.		
4.755%, 11/11/2024 (D)	140,000	147,709
National CineMedia LLC		
5.875%, 04/15/2028 (D)	180,000	152,100
Netflix, Inc.		
4.375%, 11/15/2026	700,000	776,125
4.875%, 04/15/2028	686,000	773,602
4.875%, 06/15/2030 (D)	277,000	318,550
5.375%, 11/15/2029 (D)	120,000	141,450
5.875%, 11/15/2028	452,000	541,835
Oztel Holdings SPC, Ltd.		
6.625%, 04/24/2028 (D)	250,000	268,100
Radiate Holdeo LLC		
6.500%, 09/15/2028 (D)	225,000	236,250
Sirius XM Radio, Inc.		
5.000%, 08/01/2027 (D)	383,000	406,941
SoftBank Group Corp. (6.875% to 7-19-27, then 5 Year ICE Swap Rate + 4.854%) 07/19/2027 (E)	404,000	400,831
Sprint Capital Corp.		
6.875%, 11/15/2028	400,000	527,392
Sprint Corp.		
7.875%, 09/15/2023	305,000	353,129
Switch, Ltd.		
3.750%, 09/15/2028 (D)	81,000	82,215
Telecom Argentina SA		
6.500%, 06/15/2021 (D)	142,000	137,741
8.000%, 07/18/2026 (D)	249,000	230,327
Telecom Italia Capital SA		
7.200%, 07/18/2036	457,000	616,571
Telecom Italia SpA		
5.303%, 05/30/2024 (D)	270,000	293,625
Telefonica Celular del Paraguay SA		
5.875%, 04/15/2027 (D)	265,000	282,225
Time Warner Cable LLC		
5.500%, 09/01/2041	450,000	577,443
Time Warner Entertainment Company LP		
8.375%, 07/15/2033	300,000	463,798
T-Mobile USA, Inc.		
2.050%, 02/15/2028 (D)	624,000	649,060

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
T-Mobile USA, Inc. (continued)		
2.550%, 02/15/2031 (D)	\$ 208,000	\$ 218,415
3.750%, 04/15/2027 (D)	300,000	341,640
3.875%, 04/15/2030 (D)	1,022,000	1,183,486
4.500%, 04/15/2050 (D)	696,000	858,436
Total Play Telecomunicaciones SA de CV		
7.500%, 11/12/2025 (D)	480,000	479,160
Townsquare Media, Inc.		
6.875%, 02/01/2026 (D)	102,000	106,937
Twitter, Inc.		
3.875%, 12/15/2027 (D)	239,000	254,535
Verizon Communications, Inc.		
2.650%, 11/20/2040	741,000	748,303
3.000%, 03/22/2027	104,000	115,160
4.272%, 01/15/2036	1,311,000	1,624,180
4.329%, 09/21/2028	838,000	1,008,695
4.400%, 11/01/2034	335,000	417,765
4.500%, 08/10/2033	403,000	507,730
4.522%, 09/15/2048	978,000	1,273,243
4.672%, 03/15/2055	397,000	532,471
4.862%, 08/21/2046	665,000	897,284
5.012%, 08/21/2054	335,000	468,321
ViacomCBS, Inc.		
4.375%, 03/15/2043	642,000	757,356
Vodafone Group PLC (7.000% to 1-4-29, then 5 Year U.S. Swap Rate + 4.873%) 04/04/2079	618,000	769,086
		41,498,330
Consumer discretionary – 4.7%		
Affinity Gaming		
6.875%, 12/15/2027 (D)	138,000	144,383
Amazon.com, Inc.		
3.150%, 08/22/2027	760,000	865,858
4.050%, 08/22/2047	440,000	580,008
Asbury Automotive Group, Inc.		
4.750%, 03/01/2030	172,000	184,470
AutoNation, Inc.		
4.750%, 06/01/2030	246,000	295,870
AutoZone, Inc.		
3.125%, 04/21/2026	535,000	591,893
Bally's Corp.		
6.750%, 06/01/2027 (D)	393,000	421,493
BMW US Capital LLC		
2.950%, 04/14/2022 (D)	500,000	516,907
Booking Holdings, Inc.		
4.625%, 04/13/2030	215,000	267,019
Brinker International, Inc.		
3.875%, 05/15/2023	740,000	740,925
Caesars Resort Collection LLC		
5.750%, 07/01/2025 (D)	116,000	122,911
CCM Merger, Inc.		
6.375%, 05/01/2026 (D)	139,000	145,950
Choice Hotels International, Inc.		
3.700%, 12/01/2029 to 01/15/2031	314,000	345,806
Connect Finco SARL		
6.750%, 10/01/2026 (D)	400,000	430,808
Daimler Finance North America LLC		
3.500%, 08/03/2025 (D)	240,000	266,963
Dave & Buster's, Inc.		
7.625%, 11/01/2025 (D)	56,000	58,940
Dealer Tire LLC		
8.000%, 02/01/2028 (D)	122,000	128,536
Dollar General Corp.		
3.500%, 04/03/2030	324,000	371,749

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Dollar Tree, Inc.		
4.200%, 05/15/2028	\$ 781,000	\$ 929,136
eBay, Inc.		
2.700%, 03/11/2030	544,000	584,892
3.800%, 03/09/2022	520,000	539,445
Expedia Group, Inc.		
3.250%, 02/15/2030	479,000	498,260
3.800%, 02/15/2028	726,000	779,937
5.000%, 02/15/2026	1,315,000	1,467,232
Ford Motor Credit Company LLC		
4.000%, 11/13/2030	225,000	236,684
4.125%, 08/17/2027	431,000	451,473
4.134%, 08/04/2025	1,119,000	1,173,551
5.113%, 05/03/2029	667,000	742,838
5.875%, 08/02/2021	535,000	547,573
General Motors Company		
5.400%, 04/01/2048	210,000	264,060
General Motors Financial Company, Inc.		
3.600%, 06/21/2030	938,000	1,046,519
4.300%, 07/13/2025	460,000	516,027
5.200%, 03/20/2023	371,000	406,775
Group 1 Automotive, Inc.		
4.000%, 08/15/2028 (D)	44,000	45,354
Hanesbrands, Inc.		
5.375%, 05/15/2025 (D)	125,000	132,253
Hilton Domestic Operating Company, Inc.		
4.000%, 05/01/2031 (D)	173,000	182,534
4.875%, 01/15/2030	307,000	335,398
5.750%, 05/01/2028 (D)	95,000	103,313
Hyatt Hotels Corp.		
3.375%, 07/15/2023	660,000	694,263
Hyundai Capital America		
1.800%, 10/15/2025 (D)	201,000	206,033
2.375%, 10/15/2027 (D)	201,000	210,654
International Game Technology PLC		
6.500%, 02/15/2025 (D)	180,000	201,244
Jacobs Entertainment, Inc.		
7.875%, 02/01/2024 (D)	267,000	273,341
JB Poindexter & Company, Inc.		
7.125%, 04/15/2026 (D)	132,000	139,590
Ken Garff Automotive LLC		
4.875%, 09/15/2028 (D)	169,000	175,760
Laureate Education, Inc.		
8.250%, 05/01/2025 (D)	139,000	147,340
Levi Strauss & Company		
5.000%, 05/01/2025	233,000	238,825
Macy's, Inc.		
8.375%, 06/15/2025 (D)	124,000	137,660
Magna International, Inc.		
2.450%, 06/15/2030	147,000	158,039
Marriott International, Inc.		
3.125%, 06/15/2026	1,169,000	1,246,985
3.500%, 10/15/2032	407,000	445,032
4.625%, 06/15/2030	253,000	296,739
McDonald's Corp.		
3.600%, 07/01/2030	500,000	585,712
4.200%, 04/01/2050	500,000	641,658
MDC Holdings, Inc.		
5.500%, 01/15/2024 (F)	670,000	733,650
MGM Resorts International		
4.750%, 10/15/2028	422,000	452,329
Michaels Stores, Inc.		
4.750%, 10/01/2027 (D)	84,000	86,100

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
NCL Corp., Ltd.		
3.625%, 12/15/2024 (D)	\$ 700,000	\$ 665,000
New Red Finance, Inc.		
4.000%, 10/15/2030 (D)	608,000	616,609
NIKE, Inc.		
2.750%, 03/27/2027	500,000	553,047
2.850%, 03/27/2030	500,000	566,133
Nissan Motor Acceptance Corp.		
3.450%, 03/15/2023 (D)	285,000	297,468
Nordstrom, Inc.		
8.750%, 05/15/2025 (D)	51,000	57,119
Prosus NV		
5.500%, 07/21/2025 (D)	365,000	418,838
QVC, Inc.		
4.375%, 03/15/2023	315,000	330,615
5.450%, 08/15/2034	184,000	191,360
Resorts World Las Vegas LLC		
4.625%, 04/16/2029 (D)	300,000	308,274
Service Corp. International		
3.375%, 08/15/2030	148,000	153,951
Sotheby's		
7.375%, 10/15/2027 (D)(F)	245,000	262,456
Specialty Building Products Holdings LLC		
6.375%, 09/30/2026 (D)	33,000	34,971
Starbucks Corp.		
2.250%, 03/12/2030	523,000	553,316
Target Corp.		
2.250%, 04/15/2025	500,000	536,106
The Home Depot, Inc.		
2.500%, 04/15/2027	500,000	548,474
2.700%, 04/15/2030	500,000	557,756
The TJX Companies, Inc.		
3.875%, 04/15/2030	400,000	479,720
4.500%, 04/15/2050 (F)	400,000	562,949
Waterford Gaming LLC		
8.625%, 09/15/2014 (D)(G)(H)	330,607	0
Wyndham Destinations, Inc.		
4.625%, 03/01/2030 (D)	191,000	201,983
6.000%, 04/01/2027	700,000	784,000
6.600%, 10/01/2025	145,000	163,850
Wyndham Hotels & Resorts, Inc.		
4.375%, 08/15/2028 (D)	82,000	85,202
Yum! Brands, Inc.		
3.625%, 03/15/2031	252,000	254,729
4.750%, 01/15/2030 (D)	241,000	264,257
5.350%, 11/01/2043	600,000	678,000
6.875%, 11/15/2037	292,000	375,220
		35,036,100
Consumer staples – 1.8%		
Advantage Sales & Marketing, Inc.		
6.500%, 11/15/2028 (D)	416,000	439,920
Albertsons Companies, Inc.		
3.250%, 03/15/2026 (D)	143,000	145,145
3.500%, 03/15/2029 (D)	359,000	362,590
4.875%, 02/15/2030 (D)	148,000	163,078
Anheuser-Busch InBev Worldwide, Inc.		
4.439%, 10/06/2048	730,000	907,139
4.600%, 04/15/2048	450,000	568,506
BRF SA		
5.750%, 09/21/2050 (D)	285,000	317,063
Bunge, Ltd. Finance Corp.		
3.250%, 08/15/2026	500,000	555,535
Cargill, Inc.		
2.125%, 04/23/2030 (D)	220,000	231,329

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Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Constellation Brands, Inc. 2.875%, 05/01/2030	\$ 168,000	\$ 183,993
Edgewell Personal Care Company 5.500%, 06/01/2028 (D)	162,000	174,101
Fomento Economico Mexicano SAB de CV 4.375%, 05/10/2043	1,000,000	1,260,230
General Mills, Inc. 2.875%, 04/15/2030 3.150%, 12/15/2021	400,000 500,000	443,280 509,780
JBS Investments II GmbH 5.750%, 01/15/2028 (D)	490,000	524,305
Keurig Dr. Pepper, Inc. 3.200%, 05/01/2030	720,000	814,770
Kraft Heinz Foods Company 3.875%, 05/15/2027 (D) 4.375%, 06/01/2046 5.500%, 06/01/2050 (D)	32,000 320,000 224,000	34,463 345,700 281,746
Lamb Weston Holdings, Inc. 4.875%, 05/15/2028 (D)	22,000	24,558
Natura Cosmeticos SA 5.375%, 02/01/2023 (D)	353,000	361,829
NBM US Holdings, Inc. 7.000%, 05/14/2026 (D)	210,000	228,640
PepsiCo, Inc. 2.750%, 03/19/2030	500,000	559,544
Post Holdings, Inc. 5.500%, 12/15/2029 (D)	177,000	193,151
Reynolds American, Inc. 4.850%, 09/15/2023	1,000,000	1,115,226
Simmons Foods, Inc. 5.750%, 11/01/2024 (D)	235,000	239,994
Sysco Corp. 5.950%, 04/01/2030 6.600%, 04/01/2050	499,000 1,000,000	655,390 1,537,793
The Estee Lauder Companies, Inc. 2.600%, 04/15/2030	400,000	439,096
The Kroger Company 2.200%, 05/01/2030	276,000	289,869
		13,907,763
Energy – 4.3%		
Aker BP ASA 2.875%, 01/15/2026 (D) 3.000%, 01/15/2025 (D) 4.000%, 01/15/2031 (D)	276,000 270,000 523,000	281,603 283,311 566,232
Altera Infrastructure LP 8.500%, 07/15/2023 (D)	347,000	294,877
Anadarko Petroleum Corp. 4.500%, 07/15/2044 (F) 5.550%, 03/15/2026	400,000 800,000	294,744 773,384
Antero Resources Corp. 5.000%, 03/01/2025	223,000	211,850
Apache Corp. 5.100%, 09/01/2040	325,000	348,563
Boardwalk Pipelines LP 3.375%, 02/01/2023	850,000	886,850
BP Capital Markets PLC 2.750%, 05/10/2023	530,000	557,622
Buckeye Partners LP 3.950%, 12/01/2026	500,000	506,500
Cameron International Corp. 5.950%, 06/01/2041 (F)	1,178,000	1,426,369
Cheniere Energy Partners LP 4.500%, 10/01/2029	461,000	487,637

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Cimarex Energy Company 4.375%, 06/01/2024	\$ 245,000	\$ 267,176
CNOOC Finance 2003, Ltd. 5.500%, 05/21/2033 (D)(F)	545,000	707,214
Colorado Interstate Gas Company LLC 4.150%, 08/15/2026 (D)	170,000	193,085
ConocoPhillips Company 5.950%, 03/15/2046	30,000	45,591
Continental Resources, Inc. 4.900%, 06/01/2044 (F)	400,000	393,000
CSI Compressco LP 7.500%, 04/01/2025 (D)	491,000	463,995
CSI Compressco LP (10.000% Cash or 7.250% Cash and 2.750% PIK) 10.000%, 04/01/2026 (D)	310,253	238,119
DCP Midstream Operating LP (5.850% to 5-21-23, then 3 month LIBOR + 3.850%) 05/21/2043 (D)	281,000	241,660
Devon Energy Corp. 5.000%, 06/15/2045 7.875%, 09/30/2031	600,000 874,000	708,236 1,214,981
Enbridge Energy Partners LP 7.500%, 04/15/2038	600,000	850,770
Enbridge, Inc. (5.500% to 7-15-27, then 3 month LIBOR + 3.418%) 07/15/2077	397,000	407,131
Enbridge, Inc. (5.750% to 4-15-30, then 5 Year CMT + 5.314%) 07/15/2080	450,000	506,373
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.641%) 03/01/2078	394,000	430,740
Energen Corp. 4.625%, 09/01/2021	500,000	502,576
Energy Transfer Operating LP 4.200%, 04/15/2027 4.250%, 03/15/2023 5.150%, 03/15/2045 5.875%, 01/15/2024 5.950%, 10/01/2043	141,000 490,000 340,000 365,000 300,000	155,310 520,669 367,952 410,176 339,414
Enterprise Products Operating LLC 6.875%, 03/01/2033	471,000	659,078
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.033%) 08/16/2077	701,000	710,460
Hess Corp. 5.600%, 02/15/2041 5.800%, 04/01/2047	400,000 500,000	487,533 635,271
Husky Energy, Inc. 3.950%, 04/15/2022	327,000	336,930
Kinder Morgan Energy Partners LP 5.000%, 10/01/2021 7.750%, 03/15/2032	500,000 260,000	510,799 368,709
Leviathan Bond, Ltd. 6.500%, 06/30/2027 (D) 6.750%, 06/30/2030 (D)	426,000 85,000	478,128 96,452
Marathon Oil Corp. 6.800%, 03/15/2032	785,000	966,304
Midwest Connector Capital Company LLC 3.625%, 04/01/2022 (D) 3.900%, 04/01/2024 (D)	205,000 468,000	208,586 479,632
MPLX LP 4.000%, 03/15/2028 4.125%, 03/01/2027 4.250%, 12/01/2027 5.250%, 01/15/2025	311,000 103,000 156,000 100,000	357,673 118,752 183,097 102,625

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
MPLX LP (6.875% to 2-15-23, then 3 month LIBOR + 4.652%) 02/15/2023 (E)	\$ 862,000	\$ 831,830
Noble Holding International, Ltd. 5.250%, 03/15/2042 (G)	500,000	9,375
ONEOK Partners LP 6.650%, 10/01/2036	835,000	1,053,893
Ovintiv Exploration, Inc. 5.625%, 07/01/2024	500,000	536,620
	250,000	259,657
Petrobras Global Finance BV 5.093%, 01/15/2030	978,000	1,092,915
	255,000	323,213
Plains All American Pipeline LP 4.900%, 02/15/2045	750,000	794,870
Sabine Pass Liquefaction LLC 4.200%, 03/15/2028	293,000	336,175
	5,000%	336,033
	5.875%	619,000
Sinopec Group Overseas Development 2015, Ltd. 3.250%, 04/28/2025 (D)(F)	550,000	589,721
Sunoco Logistics Partners Operations LP 3.900%, 07/15/2026	475,000	520,343
	5.400%	324,000
Sunoco LP 4.500%, 05/15/2029 (D)	96,000	99,840
Targa Resources Partners LP 5.875%, 04/15/2026	478,000	506,785
The Williams Companies, Inc. 3.750%, 06/15/2027	437,000	498,447
	5.750%	149,000
TransCanada PipeLines, Ltd. 4.250%, 05/15/2028	270,000	318,777
Valero Energy Corp. 2.850%, 04/15/2025	400,000	425,935
		32,484,216
Financials – 11.9%		
Ally Financial, Inc. 5.125%, 09/30/2024	615,000	708,876
	5.800%	280,000
Ambac Assurance Corp. 5.100%, 01/22/2021 (D)(E)	131	182
Ambac LSNI LLC (Greater of 3 month LIBOR + 5.000% or 6.000%) 6.000%, 02/12/2023 (B)(D)	482	480
American International Group, Inc. 3.900%, 04/01/2026	830,000	946,231
American International Group, Inc. (6.250% to 3-15-37, then 3 month LIBOR + 2.056%) 03/15/2037	100,000	112,484
Ameriprise Financial, Inc. 2.875%, 09/15/2026	500,000	552,609
Ares Capital Corp. 3.875%, 01/15/2026	894,000	968,512
	4.200%	387,000
Assurant, Inc. 4.000%, 03/15/2023	1,260,000	1,343,170
Australia & New Zealand Banking Group, Ltd. (6.750% to 6-15-26, then 5 Year ICE Swap Rate + 5.168%) 06/15/2026 (D)(E)	235,000	274,280
AXA SA 8.600%, 12/15/2030	170,000	264,754

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Banco Santander SA 4.379%, 04/12/2028	\$ 324,000	\$ 377,759
Bank of America Corp. 3.248%, 10/21/2027	615,000	688,065
	3.950%	539,000
	4.200%	263,000
	4.450%	618,000
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	563,000	603,306
Bank of America Corp. (2.831% to 10-24-50, then SOFR + 1.880%) 10/24/2051	375,000	390,381
Bank of America Corp. (2.884% to 10-22-29, then 3 month LIBOR + 1.190%) 10/22/2030	500,000	548,769
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,149,000	1,209,899
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,087,000	1,229,021
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	500,000	630,409
Bank of America Corp. (6.300% to 3-10-26, then 3 month LIBOR + 4.553%) 03/10/2026 (E)	708,000	826,590
Barclays PLC 4.375%, 01/12/2026	300,000	345,702
BlackRock, Inc. 1.900%, 01/28/2031	500,000	523,053
BPCE SA 4.500%, 03/15/2025 (D)	405,000	457,730
	5.700%	340,000
Brighthouse Financial, Inc. 3.700%, 06/22/2027	353,000	383,753
Brightstar Escrow Corp. 9.750%, 10/15/2025 (D)	144,000	153,900
Cantor Fitzgerald LP 4.875%, 05/01/2024 (D)	520,000	578,827
Capital One Financial Corp. 3.500%, 06/15/2023	1,023,000	1,097,712
	3.750%	500,000
CIT Group, Inc. 5.000%, 08/01/2023	700,000	764,750
Citigroup, Inc. 3.200%, 10/21/2026	618,000	690,468
	3.500%	1,060,000
	4.500%	1,000,000
	4.600%	736,000
	5.500%	215,000
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.914%) 03/31/2031	1,000,000	1,211,763
Citigroup, Inc. (4.699% to 2-15-21, then 3 month LIBOR + 4.478%) 02/15/2021 (E)	210,000	210,315
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.234%) 01/30/2025 (E)	579,000	594,975
Citigroup, Inc. (6.250% to 8-15-26, then 3 month LIBOR + 4.517%) 08/15/2026 (E)	490,000	562,009
Citizens Financial Group, Inc. 3.250%, 04/30/2030	605,000	683,038

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
CNA Financial Corp. 2.050%, 08/15/2030	\$ 205,000	\$ 208,889
CNO Financial Group, Inc. 5.250%, 05/30/2025 to 05/30/2029	678,000	809,193
Credit Agricole SA 3.250%, 01/14/2030 (D)	623,000	683,206
4.375%, 03/17/2025 (D)	600,000	674,053
Credit Agricole SA (7.875% to 1-23-24, then 5 Year U.S. Swap Rate + 4.898%) 01/23/2024 (D)(E)	310,000	351,850
Credit Suisse Group AG 4.550%, 04/17/2026	405,000	476,373
Credit Suisse Group AG (5.250% to 2-11-27, then 5 Year CMT + 4.889%) 02/11/2027 (D)(E)	287,000	303,503
Credit Suisse Group AG (7.500% to 12-11-23, then 5 Year U.S. Swap Rate + 4.598%) 12/11/2023 (D)(E)	185,000	205,674
Credit Suisse Group AG (7.500% to 7-17-23, then 5 Year U.S. Swap Rate + 4.600%) 07/17/2023 (D)(E)	374,000	407,660
Credito Real SAB de CV (9.125% to 11-29-22, then 5 Year CMT + 7.026%) 11/29/2022 (D)(E)	195,000	187,202
Discover Financial Services 3.950%, 11/06/2024	580,000	643,954
4.100%, 02/09/2027	167,000	192,330
Enova International, Inc. 8.500%, 09/01/2024 to 09/15/2025 (D)	354,000	344,073
Fifth Third Bancorp (5.100% to 6-30-23, then 3 month LIBOR + 3.033%) 06/30/2023 (E)	352,000	357,157
Freedom Mortgage Corp. 8.125%, 11/15/2024 (D)	310,000	323,367
8.250%, 04/15/2025 (D)	140,000	146,300
GE Capital International Funding Company 4.418%, 11/15/2035	677,000	807,283
Gogo Intermediate Holdings LLC 9.875%, 05/01/2024 (D)	248,000	265,544
HSBC Holdings PLC (6.875% to 6-1-21, then 5 Year ICE Swap Rate + 5.514%) 06/01/2021 (E)	395,000	401,913
ING Groep NV (6.500% to 4-16-25, then 5 Year U.S. Swap Rate + 4.446%) 04/16/2025 (E)	135,000	148,203
Invesco Finance PLC 3.125%, 11/30/2022	850,000	892,682
Jefferies Financial Group, Inc. 5.500%, 10/18/2023	1,289,000	1,419,208
Jefferies Group LLC 4.150%, 01/23/2030	420,000	489,291
4.850%, 01/15/2027	505,000	590,517
JPMorgan Chase & Co. 2.950%, 10/01/2026	660,000	732,052
3.375%, 05/01/2023	1,250,000	1,335,902
4.125%, 12/15/2026	600,000	701,645
4.500%, 01/24/2022	1,300,000	1,357,868
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	586,000	629,521
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	544,000	596,352

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	\$ 539,000	\$ 619,219
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (E)	503,000	519,348
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (E)	560,000	628,713
Ladder Capital Finance Holdings LLLP 5.250%, 03/15/2022 (D)	65,000	65,325
Lazard Group LLC 4.375%, 03/11/2029	220,000	257,864
Legg Mason, Inc. 3.950%, 07/15/2024	660,000	731,422
4.750%, 03/15/2026	825,000	979,421
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (D)	500,000	595,557
3.951%, 10/15/2050 (D)	376,000	449,455
4.250%, 06/15/2023 (D)	1,000,000	1,087,985
Lloyds Banking Group PLC 4.450%, 05/08/2025	875,000	1,003,079
Lloyds Banking Group PLC (7.500% to 6-27-24, then 5 Year U.S. Swap Rate + 4.760%) 06/27/2024 (E)	345,000	389,084
Loews Corp. 2.625%, 05/15/2023	630,000	659,513
3.750%, 04/01/2026	825,000	942,737
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (E)(F)	250,000	271,563
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (D)	329,000	359,977
4.875%, 06/10/2025 (D)	420,000	476,490
Markel Corp. 5.000%, 03/30/2043	1,270,000	1,572,422
MetLife, Inc. 3.000%, 03/01/2025	300,000	329,493
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.205%) 12/15/2036	402,000	519,418
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 04/08/2038 (D)	120,000	182,855
Morgan Stanley 3.875%, 01/27/2026	361,000	414,001
4.100%, 05/22/2023	900,000	976,704
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	1,014,000	1,070,816
Morgan Stanley (3 month LIBOR + 3.610%) 3.847%, 04/15/2021 (B)(E)	200,000	198,560
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	1,161,256
Nationstar Mortgage Holdings, Inc. 5.125%, 12/15/2030 (D)	176,000	183,959
5.500%, 08/15/2028 (D)	191,000	201,028
6.000%, 01/15/2027 (D)	99,000	105,064
Nationwide Mutual Insurance Company (3 month LIBOR + 2.290%) 2.507%, 12/15/2024 (B)(D)	1,130,000	1,129,151
NatWest Group PLC 3.875%, 09/12/2023	915,000	992,741
NatWest Group PLC (6.000% to 12-29-25, then 5 Year CMT + 5.625%) 12/29/2025 (E)	501,000	548,780

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
NatWest Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.598%) 08/15/2021 (E)	\$ 665,000	\$ 690,210
New York Life Insurance Company 3.750%, 05/15/2050 (D)	273,000	325,980
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year ICE Swap Rate + 3.650%) 10/16/2044 (D)	355,000	398,488
OneMain Finance Corp. 6.875%, 03/15/2025	140,000	162,575
8.875%, 06/01/2025	142,000	160,638
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.175%) 09/15/2042	795,000	853,082
Radian Group, Inc. 4.500%, 10/01/2024	190,000	200,450
Raymond James Financial, Inc. 3.625%, 09/15/2026	500,000	573,437
4.650%, 04/01/2030	161,000	197,391
4.950%, 07/15/2046	500,000	684,146
Refinitiv US Holdings, Inc. 6.250%, 05/15/2026 (D)	57,000	60,848
8.250%, 11/15/2026 (D)	92,000	100,395
Regions Financial Corp. 2.250%, 05/18/2025	1,019,000	1,080,413
Santander Holdings USA, Inc. 3.244%, 10/05/2026	880,000	959,665
3.400%, 01/18/2023	360,000	378,118
3.450%, 06/02/2025	744,000	813,579
3.500%, 06/07/2024	745,000	804,711
4.400%, 07/13/2027	203,000	231,913
Societe Generale SA (5.375% to 11-18-30, then 5 Year CMT + 4.514%) 11/18/2030 (D)(E)	355,000	376,431
Societe Generale SA (7.375% to 9-13-21, then 5 Year U.S. Swap Rate + 6.238%) 09/13/2021 (D)(E)	319,000	326,666
Sompo International Holdings, Ltd. 4.700%, 10/15/2022	1,080,000	1,154,170
State Street Corp. (2.901% to 3-30-25, then SOFR + 2.600%) 03/30/2026	1,000,000	1,089,109
Stifel Financial Corp. 4.250%, 07/18/2024	1,549,000	1,740,041
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (D)	447,000	558,044
The Goldman Sachs Group, Inc. 3.500%, 04/01/2025	500,000	556,010
3.625%, 01/22/2023	1,200,000	1,280,491
3.850%, 01/26/2027	897,000	1,023,422
The Hartford Financial Services Group, Inc. 6.625%, 03/30/2040	500,000	754,484
The PNC Financial Services Group, Inc. 3.150%, 05/19/2027	97,000	108,404
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (E)	315,000	328,781
The PNC Financial Services Group, Inc. (6.750% to 8-1-21, then 3 month LIBOR + 3.678%) 08/01/2021 (E)	533,000	546,192
Trident TPI Holdings, Inc. 6.625%, 11/01/2025 (D)	115,000	116,725

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
UBS Group AG (6.875% to 3-22-21, then 5 Year U.S. Swap Rate + 5.497%) 03/22/2021 (E)	\$ 200,000	\$ 201,759
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (D)(E)	323,000	354,089
Voya Financial, Inc. 4.800%, 06/15/2046	700,000	885,958
Voya Financial, Inc. (5.650% to 5-15-23, then 3 month LIBOR + 3.580%) 05/15/2053	565,000	598,900
Wells Fargo & Company 3.450%, 02/13/2023	900,000	953,733
Wells Fargo & Company (2.188% to 4-30-25, then SOFR + 2.000%) 04/30/2026	722,000	760,033
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	936,000	996,074
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	426,000	463,416
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (E)	1,023,000	1,159,826
Willis Towers Watson PLC 5.750%, 03/15/2021	1,350,000	1,363,581
		89,235,549
Health care – 3.4%		
Abbott Laboratories 3.750%, 11/30/2026	680,000	796,383
AbbVie, Inc. 3.200%, 11/21/2029	1,673,000	1,873,974
4.250%, 11/21/2049	280,000	350,943
Agilent Technologies, Inc. 3.875%, 07/15/2023	670,000	720,920
AmerisourceBergen Corp. 2.800%, 05/15/2030	457,000	496,588
Anthem, Inc. 2.250%, 05/15/2030	179,000	190,016
Bausch Health Companies, Inc. 5.250%, 01/30/2030 (D)	193,000	202,168
6.125%, 04/15/2025 (D)	425,000	438,031
6.250%, 02/15/2029 (D)	390,000	423,638
Baxter International, Inc. 3.500%, 08/15/2046	500,000	569,020
Biogen, Inc. 2.250%, 05/01/2030	400,000	417,511
3.150%, 05/01/2050	500,000	517,503
Catalent Pharma Solutions, Inc. 5.000%, 07/15/2027 (D)	81,000	85,547
Centene Corp. 3.000%, 10/15/2030	397,000	420,780
3.375%, 02/15/2030	176,000	185,168
4.250%, 12/15/2027	127,000	134,620
4.625%, 12/15/2029	142,000	157,650
5.375%, 06/01/2026 (D)	1,035,000	1,091,625
Charles River Laboratories International, Inc. 4.250%, 05/01/2028 (D)	81,000	84,848
CVS Health Corp. 2.700%, 08/21/2040	308,000	311,138
3.000%, 08/15/2026	108,000	119,600
3.750%, 04/01/2030	398,000	462,942
4.300%, 03/25/2028	484,000	576,102

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
CVS Health Corp. (continued)		
5.050%, 03/25/2048	\$ 535,000	\$ 723,948
CVS Pass-Through Trust		
8.353%, 07/10/2031 (D)	916,105	1,211,148
DaVita, Inc.		
3.750%, 02/15/2031 (D)	378,000	383,806
4.625%, 06/01/2030 (D)	367,000	389,020
Encompass Health Corp.		
4.500%, 02/01/2028	175,000	182,875
4.625%, 04/01/2031	149,000	159,430
Fresenius Medical Care US Finance III, Inc.		
2.375%, 02/16/2031 (D)	634,000	643,992
Gilead Sciences, Inc.		
2.800%, 10/01/2050	480,000	475,540
HCA, Inc.		
4.125%, 06/15/2029	186,000	215,674
5.250%, 04/15/2025 to 06/15/2026	666,000	782,439
5.375%, 02/01/2025	800,000	899,624
Humana, Inc.		
3.125%, 08/15/2029	500,000	551,787
MEDNAX, Inc.		
5.250%, 12/01/2023 (D)	213,000	215,620
6.250%, 01/15/2027 (D)	211,000	226,289
Pfizer, Inc.		
2.625%, 04/01/2030	500,000	557,729
Rede D'or Finance Sarl		
4.500%, 01/22/2030 (D)	393,000	409,703
Royalty Pharma PLC		
1.750%, 09/02/2027 (D)	206,000	211,877
Select Medical Corp.		
6.250%, 08/15/2026 (D)	299,000	321,999
Shire Acquisitions Investments Ireland DAC		
3.200%, 09/23/2026	1,015,000	1,135,187
Stanford Health Care		
3.310%, 08/15/2030	225,000	256,097
Team Health Holdings, Inc.		
6.375%, 02/01/2025 (D)	89,000	76,540
Teva Pharmaceutical Finance Company LLC		
6.150%, 02/01/2036 (F)	49,000	52,063
UnitedHealth Group, Inc.		
5.800%, 03/15/2036	540,000	807,036
Universal Health Services, Inc.		
2.650%, 10/15/2030 (D)	259,000	268,871
5.000%, 06/01/2026 (D)	537,000	554,453
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	800,000	915,095
5.250%, 06/15/2046	250,000	327,031
Varex Imaging Corp.		
7.875%, 10/15/2027 (D)	137,000	145,905
Viatis, Inc.		
2.300%, 06/22/2027 (D)	209,000	222,415
2.700%, 06/22/2030 (D)	425,000	450,733
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	551,165
3.550%, 04/01/2025	550,000	607,417
		25,559,223
Industrials – 5.6%		
3M Company		
3.050%, 04/15/2030	500,000	568,128
AECOM		
5.125%, 03/15/2027	401,000	446,245

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
AerCap Ireland Capital DAC		
2.875%, 08/14/2024	\$ 503,000	\$ 522,970
Ahern Rentals, Inc.		
7.375%, 05/15/2023 (D)	283,000	206,590
Air Canada 2013-1 Class A Pass Through Trust		
4.125%, 05/15/2025 (D)	186,519	176,889
Air Canada 2017-1 Class B Pass Through Trust		
3.700%, 01/15/2026 (D)	209,101	191,772
Air Lease Corp.		
2.875%, 01/15/2026	225,000	238,027
3.000%, 09/15/2023	400,000	420,512
3.125%, 12/01/2030	400,000	415,654
3.625%, 12/01/2027	215,000	232,057
Aircastle, Ltd.		
5.500%, 02/15/2022	248,000	258,285
American Airlines 2001-1 Pass Through Trust		
6.977%, 05/23/2021	29,969	29,191
American Airlines 2015-1 Class A Pass Through Trust		
3.375%, 05/01/2027	876,690	815,759
American Airlines 2015-1 Class B Pass Through Trust		
3.700%, 05/01/2023	145,190	117,992
American Airlines 2016-1 Class A Pass Through Trust		
4.100%, 01/15/2028	451,625	418,366
American Airlines 2017-1 Class A Pass Through Trust		
4.000%, 02/15/2029	157,463	141,895
American Airlines 2017-1 Class AA Pass Through Trust		
3.650%, 02/15/2029	310,781	309,607
American Airlines 2017-2 Class A Pass Through Trust		
3.600%, 10/15/2029	172,939	159,175
American Airlines 2019-1 Class A Pass Through Trust		
3.500%, 02/15/2032	212,351	190,108
American Airlines 2019-1 Class AA Pass Through Trust		
3.150%, 02/15/2032	323,353	312,753
American Airlines Group, Inc.		
3.750%, 03/01/2025 (D)(F)	500,000	386,640
APX Group, Inc.		
7.625%, 09/01/2023 (F)	370,000	383,875
Ashtead Capital, Inc.		
4.375%, 08/15/2027 (D)	285,000	301,031
ATS Automation Tooling Systems, Inc.		
4.125%, 12/15/2028 (D)	50,000	50,875
Avolon Holdings Funding, Ltd.		
5.125%, 10/01/2023 (D)	295,000	315,565
BAE Systems PLC		
1.900%, 02/15/2031 (D)	525,000	530,434
British Airways 2013-1 Class A Pass Through Trust		
4.625%, 06/20/2024 (D)	218,697	216,119
British Airways 2018-1 Class A Pass Through Trust		
4.125%, 09/20/2031 (D)	174,058	161,233
British Airways 2020-1 Class A Pass Through Trust		
4.250%, 11/15/2032 (D)	229,000	244,744

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
British Airways 2020-1 Class B Pass Through Trust 8.375%, 11/15/2028 (D)	\$ 189,000	\$ 208,373
Builders FirstSource, Inc. 5.000%, 03/01/2030 (D)	46,000	49,450
6.750%, 06/01/2027 (D)	77,000	83,523
Carrier Global Corp. 2.700%, 02/15/2031	500,000	536,900
2.722%, 02/15/2030	197,000	210,316
Cimpress PLC 7.000%, 06/15/2026 (D)	390,000	409,988
Clark Equipment Company 5.875%, 06/01/2025 (D)	46,000	48,530
Clean Harbors, Inc. 4.875%, 07/15/2027 (D)	65,000	67,815
CNH Industrial Capital LLC 1.950%, 07/02/2023	570,000	586,746
Continental Airlines 2007-1 Class A Pass Through Trust 5.983%, 04/19/2022	111,537	112,606
CoStar Group, Inc. 2.800%, 07/15/2030 (D)	526,000	546,236
CSX Corp. 3.800%, 04/15/2050	1,000,000	1,234,390
Delta Air Lines 2002-1 Class G-1 Pass Through Trust 6.718%, 01/02/2023	115,887	118,631
Delta Air Lines, Inc. 2.900%, 10/28/2024	663,000	654,024
3.800%, 04/19/2023	411,000	421,968
4.375%, 04/19/2028	445,000	447,327
4.500%, 10/20/2025 (D)	103,000	110,076
Equifax, Inc. 3.100%, 05/15/2030	800,000	889,404
Flowserve Corp. 3.500%, 10/01/2030	236,000	251,780
Fortive Corp. 3.150%, 06/15/2026	700,000	777,999
GATX Corp. 3.850%, 03/30/2027	800,000	906,440
General Electric Company 4.250%, 05/01/2040	528,000	623,387
5.550%, 01/05/2026	694,000	840,657
GFL Environmental, Inc. 3.500%, 09/01/2028 (D)	355,000	362,175
Graphic Packaging International LLC 3.500%, 03/01/2029 (D)	267,000	273,008
H&E Equipment Services, Inc. 3.875%, 12/15/2028 (D)	327,000	329,462
Harsco Corp. 5.750%, 07/31/2027 (D)	110,000	116,325
Hillenbrand, Inc. 5.750%, 06/15/2025	97,000	104,760
Howmet Aerospace, Inc. 5.125%, 10/01/2024	342,000	376,484
Huntington Ingalls Industries, Inc. 3.844%, 05/01/2025	557,000	619,470
4.200%, 05/01/2030	1,454,000	1,718,813
IDEX Corp. 3.000%, 05/01/2030	1,000,000	1,100,336
IHS Markit, Ltd. 4.000%, 03/01/2026 (D)	363,000	415,853
4.750%, 02/15/2025 (D)	175,000	200,830
4.750%, 08/01/2028	213,000	262,316

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
JB Hunt Transport Services, Inc. 3.850%, 03/15/2024	\$ 700,000	\$ 762,692
JetBlue 2019-1 Class AA Pass Through Trust 2.750%, 05/15/2032	355,503	355,103
Johnson Controls International PLC 1.750%, 09/15/2030	289,000	294,821
Kansas City Southern 2.875%, 11/15/2029	500,000	541,724
Kratos Defense & Security Solutions, Inc. 6.500%, 11/30/2025 (D)	206,000	214,240
Lennox International, Inc. 3.000%, 11/15/2023	800,000	843,142
LSC Communications, Inc. 8.750%, 10/15/2023 (D)(G)	420,000	46,200
Masco Corp. 2.000%, 10/01/2030	412,000	419,227
4.375%, 04/01/2026	400,000	469,542
MasTec, Inc. 4.500%, 08/15/2028 (D)	191,000	200,550
Owens Corning 3.950%, 08/15/2029	366,000	421,903
Picasso Finance Sub, Inc. 6.125%, 06/15/2025 (D)	37,000	39,590
Prime Security Services Borrower LLC 3.375%, 08/31/2027 (D)	62,000	61,535
6.250%, 01/15/2028 (D)	218,000	234,043
Southwest Airlines Company 5.250%, 05/04/2025	800,000	926,356
Stericycle, Inc. 3.875%, 01/15/2029 (D)	78,000	80,145
The Boeing Company 3.200%, 03/01/2029	692,000	730,159
5.040%, 05/01/2027	523,000	611,196
5.805%, 05/01/2050	720,000	993,062
TransDigm, Inc. 5.500%, 11/15/2027	625,000	657,063
TTX Company 4.200%, 07/01/2046 (D)	700,000	868,631
Tutor Perini Corp. 6.875%, 05/01/2025 (D)(F)	39,000	38,513
Tyco Electronics Group SA 4.875%, 01/15/2021	500,000	500,646
Uber Technologies, Inc. 7.500%, 05/15/2025 to 09/15/2027 (D)	777,000	848,628
Union Pacific Corp. 4.163%, 07/15/2022	1,137,000	1,192,763
United Airlines 2014-2 Class A Pass Through Trust 3.750%, 09/03/2026	374,849	374,834
United Airlines 2014-2 Class B Pass Through Trust 4.625%, 09/03/2022	152,559	152,294
United Airlines 2016-1 Class A Pass Through Trust 3.450%, 07/07/2028	359,408	348,875
United Airlines 2016-1 Class B Pass Through Trust 3.650%, 01/07/2026	462,097	448,284
United Airlines 2018-1 Class B Pass Through Trust 4.600%, 03/01/2026	132,580	128,433

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
United Airlines 2019-1 Class A Pass Through Trust 4.550%, 08/25/2031	\$ 294,573	\$ 288,028
United Airlines 2020-1 Class A Pass Through Trust 5.875%, 10/15/2027	919,000	990,223
United Rentals North America, Inc. 3.875%, 11/15/2027 to 02/15/2031	390,000	408,778
4.875%, 01/15/2028	373,000	397,245
US Airways 2010-1 Class A Pass Through Trust 6.250%, 04/22/2023	73,471	69,101
Verisk Analytics, Inc. 4.125%, 03/15/2029	400,000	480,467
Wabtec Corp. 3.200%, 06/15/2025	500,000	539,323
Williams Scotsman International, Inc. 4.625%, 08/15/2028 (D)	72,000	74,520
XPO Logistics, Inc. 6.250%, 05/01/2025 (D)	40,000	43,046
		41,873,814
Information technology – 4.0%		
Applied Materials, Inc. 2.750%, 06/01/2050	294,000	319,236
Autodesk, Inc. 2.850%, 01/15/2030	204,000	226,405
Broadcom Corp. 3.125%, 01/15/2025	310,000	334,674
3.875%, 01/15/2027	800,000	898,903
Broadcom, Inc. 4.700%, 04/15/2025	960,000	1,099,924
4.750%, 04/15/2029	1,520,000	1,816,879
5.000%, 04/15/2030	636,000	772,745
CDW LLC 3.250%, 02/15/2029	149,000	151,935
Dell International LLC 4.900%, 10/01/2026 (D)	597,000	704,791
5.300%, 10/01/2029 (D)	1,309,000	1,603,097
5.850%, 07/15/2025 (D)	195,000	234,200
8.350%, 07/15/2046 (D)	399,000	602,851
Fiserv, Inc. 2.250%, 06/01/2027	400,000	426,126
3.850%, 06/01/2025	614,000	692,558
Gartner, Inc. 3.750%, 10/01/2030 (D)	72,000	75,600
4.500%, 07/01/2028 (D)	83,000	87,565
Infor, Inc. 1.750%, 07/15/2025 (D)	151,000	156,817
j2 Global, Inc. 4.625%, 10/15/2030 (D)	230,000	242,650
Jabil, Inc. 3.600%, 01/15/2030	180,000	200,206
KLA Corp. 4.100%, 03/15/2029	340,000	407,688
Lam Research Corp. 3.750%, 03/15/2026	370,000	422,829
4.875%, 03/15/2049	359,000	518,043
LogMeIn, Inc. 5.500%, 09/01/2027 (D)	195,000	204,263
Marvell Technology Group, Ltd. 4.875%, 06/22/2028	465,000	549,043
Microchip Technology, Inc. 4.250%, 09/01/2025 (D)	111,000	117,423
4.333%, 06/01/2023	948,000	1,026,162

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Micron Technology, Inc. 4.185%, 02/15/2027	\$ 1,088,000	\$ 1,281,501
4.663%, 02/15/2030	1,000,000	1,226,538
4.975%, 02/06/2026	225,000	265,883
5.327%, 02/06/2029	1,658,000	2,073,057
Microsoft Corp. 2.525%, 06/01/2050	359,000	377,819
Motorola Solutions, Inc. 2.300%, 11/15/2030	494,000	503,262
4.600%, 02/23/2028 to 05/23/2029	788,000	949,190
NVIDIA Corp. 2.850%, 04/01/2030	436,000	490,211
NXP BV 3.400%, 05/01/2030 (D)	155,000	175,680
3.875%, 06/18/2026 (D)	647,000	740,684
4.625%, 06/01/2023 (D)	627,000	685,288
Oracle Corp. 2.950%, 04/01/2030	858,000	958,853
PayPal Holdings, Inc. 2.300%, 06/01/2030	400,000	428,092
2.850%, 10/01/2029	1,818,000	2,018,386
PTC, Inc. 4.000%, 02/15/2028 (D)	76,000	79,658
Qorvo, Inc. 3.375%, 04/01/2031 (D)	197,000	203,403
QUALCOMM, Inc. 1.650%, 05/20/2032 (D)	566,000	566,265
Sabre GLBL, Inc. 7.375%, 09/01/2025 (D)	110,000	119,350
Seagate HDD Cayman 4.091%, 06/01/2029 (D)	520,000	557,138
4.125%, 01/15/2031 (D)	491,000	524,840
ServiceNow, Inc. 1.400%, 09/01/2030	504,000	491,377
Telefonaktiebolaget LM Ericsson 4.125%, 05/15/2022	500,000	520,000
Tempo Acquisition LLC 6.750%, 06/01/2025 (D)	136,000	140,563
VeriSign, Inc. 5.250%, 04/01/2025	205,000	232,931
Visa, Inc. 2.050%, 04/15/2030	400,000	427,582
2.700%, 04/15/2040	221,000	240,901
Xerox Holdings Corp. 5.500%, 08/15/2028 (D)	332,000	352,302
		30,523,367
Materials – 1.9%		
Anglo American Capital PLC 4.750%, 04/10/2027 (D)	215,000	253,531
Arconic Corp. 6.000%, 05/15/2025 (D)	117,000	124,898
6.125%, 02/15/2028 (D)	53,000	57,141
Ardagh Packaging Finance PLC 6.000%, 02/15/2025 (D)	190,000	196,888
Bemis Company, Inc. 3.100%, 09/15/2026	500,000	484,891
Boise Cascade Company 4.875%, 07/01/2030 (D)	52,000	56,290
Braskem Netherlands Finance BV (8.500% to 10-24-25, then 5 Year CMT + 8.220%) 01/23/2081 (D)	364,000	404,954
Cemex SAB de CV 5.200%, 09/17/2030 (D)	329,000	360,749
7.375%, 06/05/2027 (D)	250,000	284,500

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
CF Industries, Inc. 4.950%, 06/01/2043	\$ 175,000	\$ 214,813
Commercial Metals Company 5.375%, 07/15/2027	122,000	128,405
CSN Islands XI Corp. 6.750%, 01/28/2028 (D)	518,000	560,735
Cydsa SAB de CV 6.250%, 10/04/2027 (D)	350,000	368,379
DuPont de Nemours, Inc. 2.169%, 05/01/2023	500,000	506,595
First Quantum Minerals, Ltd. 6.875%, 03/01/2026 to 10/15/2027 (D)	404,000	430,903
7.500%, 04/01/2025 (D)	226,000	235,323
Freeport-McMoRan, Inc. 5.450%, 03/15/2043	500,000	622,500
FS Luxembourg Sarl 10.000%, 12/15/2025 (D)	536,000	580,488
Georgia-Pacific LLC 2.300%, 04/30/2030 (D)	950,000	1,015,155
Graham Packaging Company, Inc. 7.125%, 08/15/2028 (D)	24,000	26,520
Huntsman International LLC 4.500%, 05/01/2029	500,000	575,820
JW Aluminum Continuous Cast Company 10.250%, 06/01/2026 (D)	135,000	143,100
Mauser Packaging Solutions Holding Company 8.500%, 04/15/2024 (D)	54,000	55,890
Methanex Corp. 4.250%, 12/01/2024	293,000	308,470
5.250%, 12/15/2029	92,000	99,702
5.650%, 12/01/2044	450,000	482,625
Newmont Corp. 2.800%, 10/01/2029	223,000	243,301
Norbord, Inc. 6.250%, 04/15/2023 (D)	120,000	130,200
Nutrition & Biosciences, Inc. 1.832%, 10/15/2027 (D)	153,000	157,623
2.300%, 11/01/2030 (D)	306,000	315,007
Orbia Advance Corp. SAB de CV 5.500%, 01/15/2048 (D)	380,000	460,370
Owens-Brockway Glass Container, Inc. 6.625%, 05/13/2027 (D)	173,000	187,273
Reynolds Group Issuer, Inc. 4.000%, 10/15/2027 (D)	362,000	371,050
Standard Industries, Inc. 3.375%, 01/15/2031 (D)	142,000	142,710
5.000%, 02/15/2027 (D)	73,000	76,285
Steel Dynamics, Inc. 3.250%, 01/15/2031	75,000	83,821
Syngenta Finance NV 4.441%, 04/24/2023 (D)	435,000	456,477
5.676%, 04/24/2048 (D)	145,000	150,475
The Mosaic Company 4.250%, 11/15/2023	600,000	655,325
The Sherwin-Williams Company 4.200%, 01/15/2022	1,000,000	1,029,345
US Concrete, Inc. 5.125%, 03/01/2029 (D)	128,000	131,840
Valvoline, Inc. 3.625%, 06/15/2031 (D)	298,000	306,494
Vulcan Materials Company 3.500%, 06/01/2030	338,000	388,026

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
WR Grace & Company 4.875%, 06/15/2027 (D)	\$ 143,000	\$ 151,654
		14,016,541
Real estate – 3.3%		
American Homes 4 Rent LP 4.250%, 02/15/2028	415,000	476,985
American Tower Corp. 2.400%, 03/15/2025	312,000	331,695
2.950%, 01/15/2025	272,000	294,593
3.550%, 07/15/2027	662,000	748,511
3.800%, 08/15/2029	280,000	325,381
5.000%, 02/15/2024	670,000	758,470
Columbia Property Trust Operating Partnership LP 4.150%, 04/01/2025	600,000	632,669
Crown Castle International Corp. 2.250%, 01/15/2031	624,000	646,884
3.300%, 07/01/2030	532,000	595,138
3.650%, 09/01/2027	600,000	677,131
3.700%, 06/15/2026	500,000	563,317
4.150%, 07/01/2050	508,000	616,386
CubeSmart LP 4.375%, 02/15/2029	600,000	709,095
CyrusOne LP 2.150%, 11/01/2030	190,000	185,191
3.450%, 11/15/2029	394,000	423,838
EPR Properties 4.950%, 04/15/2028	350,000	351,921
Equinix, Inc. 1.550%, 03/15/2028	444,000	451,127
1.800%, 07/15/2027 (F)	156,000	160,518
2.900%, 11/18/2026	1,000,000	1,093,389
3.200%, 11/18/2029	609,000	670,912
5.375%, 05/15/2027	275,000	299,739
ERP Operating LP 3.375%, 06/01/2025	300,000	331,502
Essex Portfolio LP 3.625%, 05/01/2027	500,000	563,102
GLP Capital LP 5.375%, 04/15/2026	382,000	438,410
Healthcare Trust of America Holdings LP 3.500%, 08/01/2026	500,000	566,088
3.750%, 07/01/2027	600,000	679,878
Healthpeak Properties, Inc. 3.875%, 08/15/2024	800,000	884,902
Host Hotels & Resorts LP 3.375%, 12/15/2029	473,000	486,255
3.500%, 09/15/2030	347,000	365,384
4.500%, 02/01/2026	214,000	234,445
Iron Mountain, Inc. 4.875%, 09/15/2029 (D)	195,000	205,725
5.250%, 07/15/2030 (D)	261,000	281,880
MGM Growth Properties Operating Partnership LP 3.875%, 02/15/2029 (D)	207,000	211,658
Mid-America Apartments LP 3.950%, 03/15/2029	700,000	820,183
National Retail Properties, Inc. 3.300%, 04/15/2023	660,000	696,924
Piedmont Operating Partnership LP 4.450%, 03/15/2024	500,000	535,469
SBA Communications Corp. 3.875%, 02/15/2027	408,000	428,400
4.875%, 09/01/2024	700,000	718,011

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
SBA Tower Trust		
2.836%, 01/15/2025 (D)	\$ 416,000	\$ 442,908
SL Green Operating Partnership LP		
3.250%, 10/15/2022	500,000	516,263
STORE Capital Corp.		
2.750%, 11/18/2030	500,000	508,205
Ventas Realty LP		
3.500%, 02/01/2025	343,000	377,677
4.750%, 11/15/2030	1,000,000	1,220,093
VICI Properties LP		
4.125%, 08/15/2030 (D)	212,000	223,794
4.625%, 12/01/2029 (D)	260,000	278,200
Weingarten Realty Investors		
3.375%, 10/15/2022	1,050,000	1,083,160
Welltower, Inc.		
2.700%, 02/15/2027	400,000	440,621
		24,552,027
Utilities – 2.2%		
ABY Transmission Sur SA		
6.875%, 04/30/2043 (D)	213,202	286,224
AES Panama Generation Holdings SRL		
4.375%, 05/31/2030 (D)	303,000	327,816
Ameren Corp.		
3.500%, 01/15/2031	1,000,000	1,149,355
AmeriGas Partners LP		
5.500%, 05/20/2025	275,000	304,563
Arizona Public Service Company		
5.500%, 09/01/2035	1,118,000	1,532,955
CenterPoint Energy Houston Electric LLC		
6.950%, 03/15/2033	535,000	798,457
Consolidated Edison Company of New York, Inc.		
3.350%, 04/01/2030	500,000	572,663
3.950%, 04/01/2050	500,000	608,258
Dominion Energy, Inc.		
3.375%, 04/01/2030	727,000	827,690
3.600%, 03/15/2027	500,000	568,058
DPL, Inc.		
4.125%, 07/01/2025 (D)	216,000	233,187
Edison International		
3.550%, 11/15/2024	700,000	753,569
Emera US Finance LP		
3.550%, 06/15/2026	248,000	278,652
FirstEnergy Corp.		
2.650%, 03/01/2030	254,000	254,672
Greenko Dutch BV		
4.875%, 07/24/2022 (D)	215,000	217,107
5.250%, 07/24/2024 (D)	145,000	150,075
Infraestructura Energetica Nova SAB de CV		
4.750%, 01/15/2051 (D)	579,000	634,005
Instituto Costarricense de Electricidad		
6.375%, 05/15/2043 (D)	210,000	168,788
Israel Electric Corp., Ltd.		
6.875%, 06/21/2023 (D)	95,000	107,793
NextEra Energy Capital Holdings, Inc.		
3.550%, 05/01/2027	677,000	770,548
NextEra Energy Operating Partners LP		
3.875%, 10/15/2026 (D)	243,000	259,403
4.500%, 09/15/2027 (D)	201,000	224,973
NiSource, Inc.		
3.600%, 05/01/2030	208,000	240,566
NRG Energy, Inc.		
2.450%, 12/02/2027 (D)	374,000	393,610

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
NRG Energy, Inc. (continued)		
3.375%, 02/15/2029 (D)	\$ 62,000	\$ 63,476
3.625%, 02/15/2031 (D)	175,000	180,040
3.750%, 06/15/2024 (D)	270,000	295,248
Oncor Electric Delivery Company LLC		
4.100%, 06/01/2022	750,000	781,589
PPL Capital Funding, Inc.		
3.400%, 06/01/2023	1,160,000	1,231,841
Southern California Edison Company		
3.700%, 08/01/2025	1,000,000	1,121,680
Vistra Operations Company LLC		
3.700%, 01/30/2027 (D)	583,000	642,638
4.300%, 07/15/2029 (D)	545,000	618,297
		16,597,796
TOTAL CORPORATE BONDS		
(Cost \$328,726,260)	\$	365,284,726
CAPITAL PREFERRED SECURITIES – 0.2%		
Financials – 0.2%		
Truist Bank (Greater of 3 month LIBOR + 0.645% or 4.000%) 4.000%, 12/15/2024 (B)(E)	425,000	418,625
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 02/01/2021 (B)(E)	1,045,000	1,026,713
		1,445,338
TOTAL CAPITAL PREFERRED SECURITIES		
(Cost \$1,388,779)	\$	1,445,338
MUNICIPAL BONDS – 0.6%		
Foothill-Eastern Transportation Corridor Agency (California)		
4.094%, 01/15/2049	1,000,000	1,073,850
New Jersey Transportation Trust Fund Authority		
4.081%, 06/15/2039	393,000	413,145
4.131%, 06/15/2042	40,000	41,435
Sales Tax Securitization Corp. (Illinois)		
4.637%, 01/01/2040	465,000	549,300
State Board of Administration Finance Corp. (Florida)		
1.705%, 07/01/2027	586,000	608,262
State of Connecticut, GO		
2.677%, 07/01/2030	250,000	273,620
The School District of Philadelphia (Pennsylvania), GO		
5.995%, 09/01/2030	315,000	403,219
6.765%, 06/01/2040	1,010,000	1,289,204
		4,652,035
TOTAL MUNICIPAL BONDS (Cost \$4,392,167)		
COLLATERALIZED MORTGAGE OBLIGATIONS – 6.9%		
Commercial and residential – 5.1%		
Angel Oak Mortgage Trust LLC Series 2020-R1, Class A1 0.990%, 04/25/2053 (D)(I)	562,000	562,065
AOA Mortgage Trust Series 2015-1177, Class C 3.010%, 12/13/2029 (D)(I)	120,000	119,673
Arbor Multifamily Mortgage Securities Trust Series 2020-MF1, Class XA IO 0.967%, 05/15/2053 (D)	4,348,726	317,547
Arroyo Mortgage Trust Series 2018-1, Class A1, 3.763%, 04/25/2048 (D)(I)	332,690	337,610

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Arroyo Mortgage Trust (continued)		
Series 2019-2, Class A1, 3.347%, 04/25/2049 (D)(I)	\$ 310,983	\$ 320,398
Series 2019-3, Class A1, 2.962%, 10/25/2048 (D)(I)	162,851	167,889
BAMLL Commercial Mortgage Securities Trust		
Series 2019-BPR, Class ENM 3.719%, 11/05/2032 (D)(I)	231,000	185,299
BAMLL Re-REMIC Trust		
Series 2014-FRR4, Class BK23 4.521%, 09/27/2022 (D)(J)	500,000	462,482
BANK		
Series 2019-BN20, Class ASB 2.933%, 09/15/2062	400,000	445,533
Barclays Commercial Mortgage Trust		
Series 2019-C5, Class A2 3.043%, 11/15/2052	247,000	263,631
Bayview Commercial Asset Trust		
Series 2005-1A, Class A2 (1 month LIBOR + 0.525%), 0.673%, 04/25/2035 (B)(D)	233,097	222,670
Series 2005-4A, Class A2 (1 month LIBOR + 0.390%), 0.538%, 01/25/2036 (B)(D)	137,874	130,120
Series 2006-2A, Class A2 (1 month LIBOR + 0.420%), 0.568%, 07/25/2036 (B)(D)	203,998	192,594
BBCMS Mortgage Trust		
Series 2020-C6, Class A2 2.690%, 02/15/2053	206,000	217,709
BBCMS Trust		
Series 2015-MSQ, Class D, 3.990%, 09/15/2032 (D)(I)	140,000	142,507
Series 2015-SRCH, Class D, 4.957%, 08/10/2035 (D)(I)	264,000	290,253
Bear Stearns Asset Backed Securities Trust		
Series 2003-AC4, Class A 5.500%, 09/25/2033	383,513	396,663
Benchmark Mortgage Trust		
Series 2019-B12, Class A2, 3.001%, 08/15/2052	410,000	435,490
Series 2019-B13, Class A2, 2.889%, 08/15/2057	348,000	369,485
Series 2019-B14, Class A2, 2.915%, 12/15/2062	426,000	454,567
Series 2019-B15, Class XA IO, 0.829%, 12/15/2072	9,956,237	569,961
BRAVO Residential Funding Trust		
Series 2019-NQM1, Class A1 2.666%, 07/25/2059 (D)(I)	154,986	158,623
BWAY Mortgage Trust		
Series 2015-1740, Class XA IO 0.896%, 01/10/2035 (D)	3,705,000	34,680
BX Commercial Mortgage Trust		
Series 2018-BIOA, Class D (1 month LIBOR + 1.321%), 1.480%, 03/15/2037 (B)(D)	260,000	259,924
Series 2020-VKNG, Class A (1 month LIBOR + 0.930%), 1.089%, 10/15/2037 (B)(D)	452,000	452,000

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class D (1 month LIBOR + 1.750%), 1.909%, 12/15/2037 (B)(D)	\$ 121,000	\$ 121,005
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%), 2.709%, 12/15/2037 (B)(D)	127,000	123,012
CD Mortgage Trust		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	800,000	911,075
CFCRE Commercial Mortgage Trust		
Series 2017-C8, Class C 4.944%, 06/15/2050 (I)	500,000	527,127
CGDBB Commercial Mortgage Trust		
Series 2017-BIOC, Class E (1 month LIBOR + 2.150%) 2.309%, 07/15/2032 (B)(D)	256,706	256,079
CHL Mortgage Pass Through Trust		
Series 2004-HYB2, Class 4A 3.866%, 07/20/2034 (I)	497,007	492,689
Citigroup Commercial Mortgage Trust		
Series 2018-C5, Class A3, 3.963%, 06/10/2051	600,000	700,644
Series 2018-C5, Class XA IO, 0.595%, 06/10/2051	17,361,576	740,015
Series 2019-C7, Class XA IO, 0.878%, 12/15/2072	15,946,689	1,029,564
Series 2019-PRM, Class A, 3.341%, 05/10/2036 (D)	218,000	232,667
Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (D)	142,000	154,324
Cold Storage Trust		
Series 2020-ICE5, Class D (1 month LIBOR + 2.100%) 2.259%, 11/15/2037 (B)(D)	500,000	500,156
COLT Mortgage Loan Trust		
Series 2019-2, Class A1, 3.337%, 05/25/2049 (D)(I)	66,967	67,367
Series 2020-1, Class A1, 2.488%, 02/25/2050 (D)(I)	158,808	160,599
COLT Trust		
Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (D)(I)	731,999	735,561
Commercial Mortgage Trust (Bank of America Merrill Lynch/Deutsche Bank AG)		
Series 2013-WWP, Class A2 3.424%, 03/10/2031 (D)	1,400,000	1,478,867
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2012-CR2, Class XA IO, 1.622%, 08/15/2045	9,109,105	163,512
Series 2012-CR3, Class XA IO, 1.846%, 10/15/2045	9,057,026	212,841
Series 2013-CR8, Class A5, 3.612%, 06/10/2046 (I)	330,000	351,781
Series 2013-CR8, Class AM, 3.813%, 06/10/2046 (D)(I)	1,000,000	1,063,623
Series 2014-CR15, Class C, 4.742%, 02/10/2047 (I)	800,000	861,968
Series 2014-CR15, Class XA IO, 0.930%, 02/10/2047	6,309,908	141,966

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) (continued)		
Series 2014-CR16, Class C, 4.928%, 04/10/2047 (I)	\$ 400,000	\$ 422,213
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	1,118,523
Commercial Mortgage Trust (Citigroup/Deutsche Bank AG)		
Series 2018-COR3, Class XA IO 0.443%, 05/10/2051	5,030,269	147,158
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2012-LC4, Class XA IO, 2.097%, 12/10/2044 (D)	3,979,109	49,720
Series 2013-300P, Class D, 4.394%, 08/10/2030 (D)(I)	307,000	318,177
Series 2013-300P, Class E, 4.394%, 08/10/2030 (D)(I)	700,000	658,289
Series 2017-PANW, Class A, 3.244%, 10/10/2029 (D)	89,000	93,288
Series 2020-CBM, Class A2, 2.896%, 02/10/2037 (D)	279,000	278,235
Commercial Mortgage Trust (Deutsche Bank AG/UBS AG)		
Series 2014-UBS2, Class XA IO 1.149%, 03/10/2047	4,163,140	120,719
Credit Suisse Mortgage Capital Certificates		
Series 2019-AFC1, Class A1, 2.573%, 07/25/2049 (D)	287,395	294,241
Series 2019-ICE4, Class D (1 month LIBOR + 1.600%), 1.759%, 05/15/2036 (B)(D)	460,000	455,385
Series 2020-AFC1, Class A1, 2.240%, 02/25/2050 (D)(I)	241,813	245,616
Series 2020-NET, Class A, 2.257%, 08/15/2037 (D)	106,000	109,798
CSAIL Commercial Mortgage Trust		
Series 2019-C17, Class A4 2.763%, 09/15/2052	425,000	459,206
DSLA Mortgage Loan Trust		
Series 2004-AR3, Class 2A2B (1 month LIBOR + 0.900%) 1.052%, 07/19/2044 (B)	444,122	410,743
FREMF Mortgage Trust		
Series 2016-K54, Class C, 4.051%, 04/25/2048 (D)(I)	290,000	309,314
Series 2017-K67, Class B, 3.944%, 09/25/2049 (D)(I)	485,000	542,178
GCAT Trust		
Series 2019-NQM1, Class A1, 2.985%, 02/25/2059 (D)	299,672	305,678
Series 2020-NQM1, Class A1, 2.247%, 01/25/2060 (D)	394,770	403,889
GS Mortgage Securities Trust		
Series 2005-GG4, Class XC IO, 1.606%, 07/10/2039 (D)	356,737	120
Series 2013-GC10, Class C, 4.285%, 02/10/2046 (D)(I)	859,800	873,458
Series 2015-590M, Class C, 3.805%, 10/10/2035 (D)(I)	150,000	156,955

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GS Mortgage Securities Trust (continued)		
Series 2017-485L, Class C, 3.982%, 02/10/2037 (D)(I)	\$ 85,000	\$ 88,900
Series 2019-GC40, Class A2, 2.971%, 07/10/2052	380,000	404,699
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (D)	256,000	261,101
GS Mortgage-Backed Securities Trust		
Series 2020-NQM1, Class A1 1.382%, 09/27/2060 (D)(I)	224,562	225,750
HarborView Mortgage Loan Trust		
Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (D)	10,724,594	111,165
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	12,016,977	159,392
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (D)	11,068,153	154,546
Hilton Orlando Trust		
Series 2018-ORL, Class B (1 month LIBOR + 1.050%) 1.209%, 12/15/2034 (B)(D)	1,000,000	969,914
IMT Trust		
Series 2017-APTS, Class AFX, 3.478%, 06/15/2034 (D)	107,000	114,966
Series 2017-APTS, Class CFX, 3.497%, 06/15/2034 (D)(I)	123,000	122,762
Irvine Core Office Trust		
Series 2013-IRV, Class A2, 3.173%, 05/15/2048 (D)(I)	255,000	267,436
Series 2013-IRV, Class XA IO, 1.105%, 05/15/2048 (D)	6,081,164	78,743
JPMBB Commercial Mortgage Securities Trust		
Series 2013-C14, Class XA IO 0.560%, 08/15/2046	6,093,082	75,165
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2006-LDP8, Class X IO, 0.286%, 05/15/2045	523,565	5
Series 2011-C3, Class XA IO, 0.979%, 02/15/2046 (D)	4,542,368	23,410
Series 2011-C4, Class XA IO, 1.202%, 07/15/2046 (D)	2,061,365	913
Series 2012-HSBC, Class XA IO, 1.431%, 07/05/2032 (D)	9,903,819	177,076
Series 2020-NNN, Class AFX, 2.812%, 01/16/2037 (D)	258,000	268,239
KNDL Mortgage Trust		
Series 2019-KNSQ, Class D (1 month LIBOR + 1.350%) 1.509%, 05/15/2036 (B)(D)	185,000	184,541
MASTR Adjustable Rate Mortgages Trust		
Series 2004-13, Class 2A1, 3.109%, 04/21/2034 (I)	95,853	95,916
Series 2004-8, Class 5A1, 2.700%, 08/25/2034 (I)	96,485	102,223
MASTR Alternative Loan Trust		
Series 2004-4, Class 8A1 6.500%, 05/25/2034	225,026	235,761

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Merrill Lynch Mortgage Investors Trust Series 2005-A, Class A1 (1 month LIBOR + 0.460%) 0.608%, 03/25/2030 (B)	\$ 19,867	\$ 19,537
Merrill Lynch Mortgage Trust Series 2008-C1, Class X IO 0.000%, 02/12/2051 (D)	2,781,535	28
MFA Trust Series 2020-NQM1, Class A1, 1.479%, 03/25/2065 (D)(I)	162,902	163,951
Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (D)(I)	335,108	335,606
Morgan Stanley Bank of America Merrill Lynch Trust Series 2012-C5, Class XA IO, 1.414%, 08/15/2045 (D)	9,530,686	148,654
Series 2012-C6, Class XA IO, 1.606%, 11/15/2045 (D)	5,807,712	113,795
Series 2013-C7, Class XA IO, 1.329%, 02/15/2046	10,448,958	229,130
Series 2014-C17, Class XA IO, 1.076%, 08/15/2047	10,840,566	282,072
Morgan Stanley Capital I Trust Series 2011-C3, Class XA IO, 0.608%, 07/15/2049 (D)	6,481,247	8,643
Series 2017-CLS, Class D (1 month LIBOR + 1.400%), 1.559%, 11/15/2034 (B)(D)	298,000	297,071
Series 2019-L3, Class XA IO, 0.643%, 11/15/2052	21,462,468	1,052,537
MSCG Trust Series 2016-SNR, Class D 6.550%, 11/15/2034 (D)	115,234	114,205
Natixis Commercial Mortgage Securities Trust Series 2018-285M, Class D, 3.790%, 11/15/2032 (D)(I)	135,000	135,419
Series 2018-ALXA, Class C, 4.316%, 01/15/2043 (D)(I)	98,000	103,232
OBX Trust Series 2020-EXP2, Class A3 2.500%, 05/25/2060 (D)(I)	330,185	336,673
One Market Plaza Trust Series 2017-1MKT, Class D 4.146%, 02/10/2032 (D)	90,000	92,071
Provident Funding Mortgage Trust Series 2020-F1, Class A2 2.000%, 01/25/2036 (D)(I)	720,000	721,994
Seasoned Credit Risk Transfer Trust Series 2020-2, Class MA 2.000%, 11/25/2059	278,898	287,095
Sequoia Mortgage Trust Series 2005-3, Class A1 (1 month LIBOR + 0.400%) 0.552%, 05/20/2035 (B)	46,275	46,273
Starwood Mortgage Residential Trust Series 2020-1, Class A1, 2.275%, 02/25/2050 (D)(I)	184,451	188,510
Series 2020-3, Class A1, 1.486%, 04/25/2065 (D)(I)	281,052	282,906
Structured Asset Securities Corp. Series 1998-RF2, Class A 4.739%, 07/15/2027 (D)(I)	44,893	44,490

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
UBS-Barclays Commercial Mortgage Trust Series 2012-C2, Class XA IO 1.289%, 05/10/2063 (D)	\$ 5,878,236	\$ 89,766
Velocity Commercial Capital Loan Trust Series 2018-2, Class M1 4.260%, 10/26/2048 (D)(I)	354,125	374,484
Verus Securitization Trust Series 2020-5, Class A1 1.218%, 05/25/2065 (D)	233,074	233,401
WaMu Mortgage Pass Through Certificates Series 2005-AR2, Class 2A1B (1 month LIBOR + 0.740%), 0.888%, 01/25/2045 (B)	472,168	461,614
Series 2005-AR8, Class 2AB3 (1 month LIBOR + 0.720%), 0.868%, 07/25/2045 (B)	304,683	291,888
Washington Mutual Mortgage Pass Through Certificates Series 2005-1, Class 6A1 6.500%, 03/25/2035	229,625	231,208
Wells Fargo Commercial Mortgage Trust Series 2017-SMP, Class D (1 month LIBOR + 1.650%), 1.809%, 12/15/2034 (B)(D)	505,000	424,259
Series 2019-C54, Class A3, 2.892%, 12/15/2052	500,000	552,873
WF-RBS Commercial Mortgage Trust Series 2011-C3, Class XA IO, 1.267%, 03/15/2044 (D)	9,509,116	6,545
Series 2012-C10, Class XA IO, 1.523%, 12/15/2045 (D)	5,794,424	145,639
Series 2012-C9, Class XA IO, 1.878%, 11/15/2045 (D)	6,832,208	172,518
		38,419,428
U.S. Government Agency – 1.8%		
Federal Home Loan Mortgage Corp. Series 2015-DN1, Class M3 (1 month LIBOR + 4.150%), 4.298%, 01/25/2025 (B)	40,055	40,449
Series 2015-HQ1, Class M3 (1 month LIBOR + 3.800%), 3.948%, 03/25/2025 (B)	11,756	11,771
Series 290, Class IO, 3.500%, 11/15/2032	1,296,682	152,664
Series 3387, Class SB IO, 6.261%, 11/15/2037	1,104,447	200,437
Series 3632, Class AP, 3.000%, 02/15/2040	817,932	868,463
Series K014, Class X1 IO, 1.178%, 04/25/2021	6,632,656	7,746
Series K015, Class X1 IO, 1.575%, 07/25/2021	7,242,808	18,597
Series K018, Class X1 IO, 1.275%, 01/25/2022	2,985,357	24,103
Series K021, Class A2, 2.396%, 06/25/2022	1,000,000	1,026,389
Series K021, Class X1 IO, 1.404%, 06/25/2022	11,421,632	168,702
Series K022, Class X1 IO, 1.180%, 07/25/2022	2,409,554	32,763

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series K026, Class X1 IO, 0.957%, 11/25/2022	\$ 9,910,225	\$ 138,174
Series KAIV, Class X1 IO, 1.133%, 06/25/2021	17,083,781	19,371
Series KS01, Class X1 IO, 1.197%, 01/25/2023	4,916,546	73,991
Series T-41, Class 3A, 5.214%, 07/25/2032 (I)	51,051	57,892
Federal National Mortgage Association		
Series 2001-50, Class BA, 7.000%, 10/25/2041	6,831	7,855
Series 2002-W3, Class A5, 7.500%, 11/25/2041	57,666	70,408
Series 2010-15, Class KA, 4.000%, 03/25/2039	87,233	88,628
Series 2011-41, Class KA, 4.000%, 01/25/2041	207,700	218,303
Series 2011-86, Class NA, 4.000%, 01/25/2041	233,144	238,900
Series 2012-137, Class W1 IO, 3.500%, 12/25/2032	1,349,999	159,390
Series 2012-21, Class PA, 2.000%, 03/25/2041	1,707,714	1,753,465
Series 2012-38, Class PA, 2.000%, 09/25/2041	670,675	690,834
Series 2012-M5, Class X IO, 0.550%, 02/25/2022	2,504,718	8,582
Series 2015-C01, Class 1M2 (1 month LIBOR + 4.300%), 4.448%, 02/25/2025 (B)	163,871	167,026
Series 2015-C02, Class 2M2 (1 month LIBOR + 4.000%), 4.148%, 05/25/2025 (B)	26,062	26,487
Series 2015-C03, Class 2M2 (1 month LIBOR + 5.000%), 5.148%, 07/25/2025 (B)	110,895	112,567
Series 2018-C02, Class 2M2 (1 month LIBOR + 2.200%), 2.348%, 08/25/2030 (B)	65,272	64,858
Series 2018-C05, Class 1M2 (1 month LIBOR + 2.350%), 2.498%, 01/25/2031 (B)	39,363	39,413
Series 2020-R02, Class 2M2 (1 month LIBOR + 2.000%), 2.148%, 01/25/2040 (B)(D)	500,000	496,477
Government National		
Mortgage Association		
Series 2008-90, Class IO, 1.945%, 12/16/2050	2,339,199	340,270
Series 2010-147, Class SA IO, 6.018%, 05/20/2040	918,063	79,805
Series 2010-85, Class SB IO, 6.447%, 03/16/2040	1,125,293	186,907
Series 2012-114, Class IO, 0.691%, 01/16/2053	541,018	14,851
Series 2012-120, Class IO, 0.709%, 02/16/2053	6,459,560	173,752
Series 2012-70, Class IO, 0.184%, 08/16/2052	3,003,964	16,398
Series 2015-41, Class IO, 0.519%, 09/16/2056	6,452,763	190,635

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2016-162, Class IO, 0.883%, 09/16/2058	\$ 7,282,292	\$ 439,990
Series 2016-174, Class IO, 0.865%, 11/16/2056	739,930	44,660
Series 2017-109, Class IO, 0.520%, 04/16/2057	1,648,747	68,110
Series 2017-124, Class IO, 0.695%, 01/16/2059	1,860,707	96,590
Series 2017-135, Class IO, 0.771%, 10/16/2058	1,206,677	64,895
Series 2017-140, Class IO, 0.553%, 02/16/2059	700,081	36,026
Series 2017-159, Class IO, 0.536%, 06/16/2059	1,540,107	73,730
Series 2017-169, Class IO, 0.671%, 01/16/2060	3,139,432	168,805
Series 2017-20, Class IO, 0.704%, 12/16/2058	3,637,366	174,069
Series 2017-22, Class IO, 0.773%, 12/16/2057	389,317	22,267
Series 2017-41, Class IO, 0.702%, 07/16/2058	1,481,389	73,226
Series 2017-46, Class IO, 0.632%, 11/16/2057	1,334,510	65,245
Series 2017-61, Class IO, 0.745%, 05/16/2059	758,647	43,437
Series 2018-158, Class IO, 0.692%, 05/16/2061	2,448,070	164,690
Series 2018-35, Class IO, 0.529%, 03/16/2060	2,709,338	126,797
Series 2018-43, Class IO, 0.573%, 05/16/2060	2,498,782	134,880
Series 2018-69, Class IO, 0.584%, 04/16/2060	869,367	51,362
Series 2018-81, Class IO, 0.447%, 01/16/2060	508,370	23,667
Series 2018-9, Class IO, 0.538%, 01/16/2060	2,754,141	138,109
Series 2019-131, Class IO, 0.937%, 07/16/2061	2,021,345	147,446
Series 2020-100, Class IO, 0.908%, 05/16/2062	1,796,699	149,339
Series 2020-108, Class IO, 0.948%, 06/16/2062	4,113,568	343,025
Series 2020-114, Class IO, 0.930%, 09/16/2062	4,493,953	371,174
Series 2020-118, Class IO, 1.046%, 06/16/2062	3,757,062	324,837
Series 2020-119, Class IO, 0.819%, 08/16/2062	1,901,502	149,815
Series 2020-120, Class IO, 0.883%, 05/16/2062	925,019	74,965
Series 2020-137, Class IO, 0.911%, 09/16/2062	4,298,292	343,911
Series 2020-143, Class IB IO, 0.947%, 03/16/2062	5,770,197	464,050
Series 2020-150, Class IO, 0.983%, 12/16/2062	2,607,360	221,005
Series 2020-170, Class IO, 0.886%, 11/16/2062	3,619,543	307,558

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued) Series 2020-92, Class IO, 1.015%, 02/16/2062	\$ 4,054,109	\$ 350,736
		13,245,739
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$54,001,207)		\$ 51,665,167
ASSET BACKED SECURITIES – 6.3%		
Aegis Asset Backed Securities Trust Series 2004-3, Class M1 (1 month LIBOR + 0.900%) 1.048%, 09/25/2034 (B)	739,591	738,519
Amresco Residential Securities Corp. Mortgage Loan Trust Series 1998-1, Class A6 6.510%, 08/25/2027 (I)	9	10
AMSR Trust Series 2020-SFR4, Class A 1.355%, 11/17/2037 (D)	602,000	607,083
Applebee's Funding LLC Series 2019-1A, Class A2I 4.194%, 06/07/2049 (D)	533,663	526,362
Series 2019-1A, Class A2II 4.723%, 06/07/2049 (D)	498,750	485,329
Arbys Funding LLC Series 2020-1A, Class A2 3.237%, 07/30/2050 (D)	509,723	520,840
ARL First LLC Series 2012-1A, Class A2 3.810%, 12/15/2042 (D)	900,000	931,745
Avis Budget Rental Car Funding AESOP LLC Series 2019-3A, Class A 2.360%, 03/20/2026 (D)	446,000	465,011
Series 2020-1A, Class A 2.330%, 08/20/2026 (D)	333,000	343,657
Bojangles Issuer LLC Series 2020-1A, Class A2 3.832%, 10/20/2050 (D)	221,000	225,763
BRE Grand Islander Timeshare Issuer LLC Series 2019-A, Class A 3.280%, 09/26/2033 (D)	137,497	142,606
Capital One Multi-Asset Execution Trust Series 2016-A7, Class A7 (1 month LIBOR + 0.510%) 0.669%, 09/16/2024 (B)	3,123,000	3,135,986
CARS-DB4 LP Series 2020-1A, Class A4 3.190%, 02/15/2050 (D)	999,583	1,030,078
Series 2020-1A, Class B1 4.170%, 02/15/2050 (D)	381,000	396,757
Centex Home Equity Loan Trust Series 2005-A, Class M4 (1 month LIBOR + 1.200%) 1.348%, 01/25/2035 (B)	156,736	149,090
CF Hippolyta LLC Series 2020-1, Class A1 1.690%, 07/15/2060 (D)	450,467	458,855
Chase Issuance Trust Series 2016-A3, Class A3 (1 month LIBOR + 0.550%) 0.709%, 06/15/2023 (B)	4,500,000	4,511,169

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Citibank Credit Card Issuance Trust Series 2017-A6, Class A6 (1 month LIBOR + 0.770%) 0.924%, 05/14/2029 (B)	\$ 565,000	\$ 565,730
Series 2017-A7, Class A7 (1 month LIBOR + 0.370%) 0.522%, 08/08/2024 (B)	3,000,000	3,013,154
CLI Funding VI LLC Series 2020-1A, Class A 2.080%, 09/18/2045 (D)	413,020	417,364
Conseco Finance Corp. Series 1996-10, Class M1 7.240%, 11/15/2028 (I)	96,374	99,408
ContiMortgage Home Equity Loan Trust Series 1995-2, Class A5 8.100%, 08/15/2025	5,828	5,412
CoreVest American Finance Trust Series 2019-3, Class A 2.705%, 10/15/2052 (D)	101,231	106,688
Credit-Based Asset Servicing & Securitization LLC Series 2006-MH1, Class B1 6.250%, 10/25/2036 (D)	2,560,000	2,667,475
CWABS Asset-Backed Certificates Trust Series 2004-10, Class AF5B 4.404%, 02/25/2035	29,214	29,191
DB Master Finance LLC Series 2017-1A, Class A2I 3.629%, 11/20/2047 (D)	209,088	214,643
Series 2017-1A, Class A2II 4.030%, 11/20/2047 (D)	160,463	170,398
Series 2019-1A, Class A2I 3.787%, 05/20/2049 (D)	883,813	905,678
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (D)	601,400	644,280
Series 2017-1A, Class A2II 3.082%, 07/25/2047 (D)	970,000	975,180
Driven Brands Funding LLC Series 2020-2A, Class A2 3.237%, 01/20/2051 (D)	361,000	360,711
FirstKey Homes Trust Series 2020-SFR1, Class A 1.339%, 09/17/2025 (D)	593,000	599,788
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (D)	706,000	709,012
Five Guys Funding LLC Series 2017-1A, Class A2 4.600%, 07/25/2047 (D)	672,915	700,473
FOCUS Brands Funding LLC Series 2017-1A, Class A2I 3.857%, 04/30/2047 (D)	144,750	144,649
Ford Credit Auto Owner Trust Series 2020-1, Class A 2.040%, 08/15/2031 (D)	608,000	640,963
Ford Credit Floorplan Master Owner Trust Series 2020-2, Class A 1.060%, 09/15/2027	561,000	569,111
GMF Floorplan Owner Revolving Trust Series 2019-2, Class A 2.900%, 04/15/2026 (D)	580,000	625,109
Series 2020-1, Class A 0.680%, 08/15/2025 (D)	266,000	267,573
Golub Capital Partners Funding Series 2020-1A, Class A2 3.208%, 01/22/2029 (D)	394,000	394,185

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Hilton Grand Vacations Trust Series 2017-AA, Class A 2.660%, 12/26/2028 (D)	\$ 241,274	\$ 246,732
Series 2018-AA, Class A 3.540%, 02/25/2032 (D)	99,231	105,266
InSite Issuer LLC Series 2016-1A, Class A 2.883%, 11/15/2046 (D)	750,000	774,196
Series 2016-1A, Class B 4.557%, 11/15/2046 (D)	500,000	531,668
Jack in the Box Funding LLC Series 2019-1A, Class A23 4.970%, 08/25/2049 (D)	158,800	170,839
Series 2019-1A, Class A2I 3.982%, 08/25/2049 (D)	228,275	233,895
Laurel Road Prime Student Loan Trust Series 2019-A, Class A2FX 2.730%, 10/25/2048 (D)	102,244	104,626
Long Beach Mortgage Loan Trust Series 2004-1, Class M3 (1 month LIBOR + 1.050%) 1.198%, 02/25/2034 (B)	2,309	2,308
MelTel Land Funding LLC Series 2019-1A, Class A 3.768%, 04/15/2049 (D)	185,322	192,802
Mill City Mortgage Loan Trust Series 2018-3, Class A1 3.479%, 08/25/2058 (D)(I)	122,569	129,296
MVW Owner Trust Series 2015-1A, Class A 2.520%, 12/20/2032 (D)	23,391	23,517
Series 2018-1A, Class A 3.450%, 01/21/2036 (D)	195,757	203,444
Navient Private Education Loan Trust Series 2016-AA, Class A2A 3.910%, 12/15/2045 (D)	132,649	139,264
Navient Private Education Refi Loan Trust Series 2019-FA, Class A2 2.600%, 08/15/2068 (D)	398,000	411,068
Navient Student Loan Trust Series 2020-2A, Class A1A 1.320%, 08/26/2069 (D)	321,681	322,177
NRZ Excess Spread-Collateralized Notes Series 2018-FNT1, Class A 3.610%, 05/25/2023 (D)	127,140	127,379
Series 2018-FNT2, Class A 3.790%, 07/25/2054 (D)	104,272	104,392
Option One Mortgage Loan Trust Series 2004-1, Class M1 (1 month LIBOR + 0.900%) 1.048%, 01/25/2034 (B)	251,468	247,873
Oxford Finance Funding LLC Series 2019-1A, Class A2 4.459%, 02/15/2027 (D)	254,000	262,788
PFS Financing Corp. Series 2020-E, Class A 1.000%, 10/15/2025 (D)	342,000	344,451
Progress Residential Trust Series 2020-SFR1, Class A 1.732%, 04/17/2037 (D)	359,000	365,176
Renaissance Home Equity Loan Trust Series 2005-2, Class AF4 4.934%, 08/25/2035	102,983	106,664
Santander Revolving Auto Loan Trust Series 2019-A, Class A 2.510%, 01/26/2032 (D)	532,000	565,579

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
SCF Equipment Leasing LLC Series 2019-1A, Class A2 3.230%, 10/20/2024 (D)	\$ 69,024	\$ 69,241
Sesac Finance LLC Series 2019-1, Class A2 5.216%, 07/25/2049 (D)	476,963	505,313
Sierra Timeshare Receivables Funding LLC Series 2019-1A, Class A 3.200%, 01/20/2036 (D)	99,747	103,411
SMB Private Education Loan Trust Series 2015-C, Class A2A 2.750%, 07/15/2027 (D)	28,528	28,937
Series 2019-B, Class A2A 2.840%, 06/15/2037 (D)	526,000	555,441
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (D)	255,000	257,729
Sonic Capital LLC Series 2020-1A, Class A2I 3.845%, 01/20/2050 (D)	414,517	442,281
Sunbird Engine Finance LLC Series 2020-1A, Class A 3.671%, 02/15/2045 (D)	231,376	207,079
Taco Bell Funding LLC Series 2016-1A, Class A2II 4.377%, 05/25/2046 (D)	675,500	679,323
Series 2018-1A, Class A2I 4.318%, 11/25/2048 (D)	492,940	499,984
TAL Advantage VII LLC Series 2020-1A, Class B 3.820%, 09/20/2045 (D)	486,875	491,537
Towd Point Mortgage Trust Series 2015-1, Class A5 3.505%, 10/25/2053 (D)(I)	105,000	111,283
Series 2015-2, Class 1M2 3.567%, 11/25/2060 (D)(I)	175,000	184,895
Series 2015-6, Class M2 3.750%, 04/25/2055 (D)(I)	1,000,000	1,093,032
Series 2017-1, Class A1 2.750%, 10/25/2056 (D)(I)	162,111	166,148
Series 2017-2, Class A1 2.750%, 04/25/2057 (D)(I)	40,862	41,773
Series 2018-1, Class A1 3.000%, 01/25/2058 (D)(I)	117,622	122,241
Series 2018-3, Class A1 3.750%, 05/25/2058 (D)(I)	162,084	172,497
Series 2018-4, Class A1 3.000%, 06/25/2058 (D)(I)	372,024	394,815
Series 2018-5, Class A1A 3.250%, 07/25/2058 (D)(I)	62,323	65,202
Series 2018-6, Class A1A 3.750%, 03/25/2058 (D)(I)	380,236	400,781
Series 2019-1, Class A1 3.750%, 03/25/2058 (D)(I)	251,663	270,398
Series 2019-4, Class A1 2.900%, 10/25/2059 (D)(I)	363,925	384,141
Series 2020-4, Class A1 1.750%, 10/25/2060 (D)	363,490	371,726
Toyota Auto Loan Extended Note Trust Series 2019-1A, Class A 2.560%, 11/25/2031 (D)	1,135,000	1,212,080
Series 2020-1A, Class A 1.350%, 05/25/2033 (D)	346,000	356,277
Tricon American Homes Trust Series 2020-SFR2, Class D 2.281%, 11/17/2039 (D)	500,000	493,239

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Triton Container Finance VIII LLC Series 2020-1A, Class A 2.110%, 09/20/2045 (D)	\$ 820,191	\$ 829,701
Vantage Data Centers LLC Series 2020-1A, Class A2 1.645%, 09/15/2045 (D)	438,000	441,000
Series 2020-2A, Class A2 1.992%, 09/15/2045 (D)	292,000	293,784
VR Funding LLC Series 2020-1A, Class A 2.790%, 11/15/2050 (D)	605,332	581,814
VSE VOI Mortgage LLC Series 2017-A, Class A 2.330%, 03/20/2035 (D)	80,526	82,222
Westgate Resorts LLC Series 2017-1A, Class A 3.050%, 12/20/2030 (D)	97,258	97,598
Westlake Automobile Receivables Trust Series 2019-1A, Class C 3.450%, 03/15/2024 (D)	190,000	193,857
Series 2019-2A, Class A2A 2.570%, 02/15/2023 (D)	205,982	206,892
Willis Engine Structured Trust V Series 2020-A, Class A 3.228%, 03/15/2045 (D)	153,372	131,056
TOTAL ASSET BACKED SECURITIES (Cost \$46,575,107)		\$ 47,749,163
COMMON STOCKS – 0.0%		
Utilities – 0.0%		
Dominion Energy, Inc.	550	55,182
TOTAL COMMON STOCKS (Cost \$55,000)		\$ 55,182
PREFERRED SECURITIES – 0.2%		
Consumer staples – 0.0%		
Ocean Spray Cranberries, Inc., 6.250% (D)	2,216	179,496
Financials – 0.0%		
GMAC Capital Trust I (3 month LIBOR + 5.785%), 6.007% (B)	5,689	153,887
Wells Fargo & Company, 7.500%	55	83,485
		237,372
Information technology – 0.1%		
Broadcom, Inc., 8.000%	277	394,024
Utilities – 0.1%		
DTE Energy Company, 6.250%	669	32,206
NextEra Energy, Inc., 5.279%	5,300	269,452
The Southern Company, 6.750%	831	43,129
		344,787
TOTAL PREFERRED SECURITIES (Cost \$1,024,803)		\$ 1,155,679
SHORT-TERM INVESTMENTS – 12.6%		
Short-term funds – 11.3%		
John Hancock Collateral Trust, 0.1386% (K)(L)	249,710	2,498,620
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (K)	82,693,307	82,693,307
		85,191,927

Active Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 1.3%		
Barclays Tri-Party Repurchase Agreement dated 12-31-20 at 0.050% to be repurchased at \$6,176,034 on 1-4-21, collateralized by \$6,116,600 U.S. Treasury Notes, 1.625% due 11-15-22 (valued at \$6,299,578)	\$ 6,176,000	\$ 6,176,000
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$3,406,000 on 1-4-21, collateralized by \$3,478,200 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$3,474,155)	3,406,000	3,406,000
		9,582,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$94,774,125)		\$ 94,773,927
Total Investments (Active Bond Trust) (Cost \$768,150,031) – 108.7%		\$ 817,005,264
Other assets and liabilities, net – (8.7%)		(65,529,695)
TOTAL NET ASSETS – 100.0%		\$ 751,475,569

Currency Abbreviations

ARS	Argentine Peso
EUR	Euro
GBP	Pound Sterling
MXN	Mexican Peso

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
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)	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)	Non-income producing security.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$141,381,761 or 18.8% of the fund's net assets as of 12-31-20.
(E)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(F)	All or a portion of this security is on loan as of 12-31-20.
(G)	Non-income producing - Issuer is in default.
(H)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(I)	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.
(J)	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.

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

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

Core Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 53.8%		
U.S. Government – 28.2%		
U.S. Treasury Bonds		
1.125%, 05/15/2040 to 08/15/2040	\$ 41,354,000	\$ 39,136,174
1.250%, 05/15/2050	2,621,000	2,372,415
1.375%, 11/15/2040 to 08/15/2050	20,067,000	18,926,239
1.625%, 11/15/2050	5,403,000	5,370,920
2.500%, 02/15/2045	2,632,000	3,132,903
2.875%, 05/15/2043	9,401,000	11,864,356
U.S. Treasury Notes		
0.125%, 05/31/2022 to 12/15/2023	105,379,000	105,329,348
0.250%, 06/15/2023 to 09/30/2025	19,340,000	19,328,330
0.375%, 04/30/2025 to 12/31/2025	29,382,000	29,420,372
0.500%, 10/31/2027	1,986,000	1,969,553
0.625%, 12/31/2027	2,507,000	2,503,083
0.875%, 11/15/2030	11,681,000	11,635,371
1.375%, 01/31/2021 to 05/31/2021	34,186,000	34,294,212
2.250%, 04/30/2021	4,770,000	4,802,980
3.125%, 05/15/2021	4,453,000	4,501,705
		294,587,961
U.S. Government Agency – 25.6%		
Federal Home Loan Mortgage Corp.		
2.000%, 01/01/2036	1,567,000	1,638,596
3.000%, 02/01/2050	186,143	197,826
3.500%, 04/01/2049 to 11/01/2049	4,580,312	4,934,808
4.000%, 01/01/2035 to 07/01/2049	14,700,444	16,157,525
4.500%, 06/01/2039 to 08/01/2049	5,605,812	6,274,298
5.000%, 03/01/2049	2,603,693	2,968,032
Federal National Mortgage Association		
2.000%, TBA (A)	47,600,000	49,413,093
2.000%, 01/01/2036	5,790,000	6,054,543
2.500%, 12/01/2035 to 10/01/2050	16,241,320	17,308,063
2.691%, (12 month LIBOR + 1.585%), 01/01/2046 (B)	2,249,058	2,335,927
2.763%, (12 month LIBOR + 1.579%), 06/01/2045 (B)	621,931	644,069
3.000%, 01/01/2043 to 02/01/2050	1,420,533	1,523,952
3.500%, 09/01/2032 to 11/01/2049	2,941,888	3,138,010
4.000%, 09/01/2033 to 12/01/2049	26,502,848	29,440,223
4.500%, 05/01/2034 to 01/01/2059	26,348,049	29,654,955
5.000%, 07/01/2044 to 11/01/2049	19,750,996	22,575,606
5.500%, 12/01/2048 to 06/01/2049	3,543,240	4,077,703
Government National Mortgage Association		
2.000%, TBA (A)	21,000,000	21,946,007
2.500%, TBA (A)	9,400,000	9,923,486
3.500%, 01/20/2048	1,038,012	1,155,888
4.000%, 06/20/2047 to 07/20/2049	16,139,910	17,513,707
4.500%, 08/15/2047 to 05/20/2049	4,835,016	5,302,248
5.000%, 12/20/2039 to 03/20/2049	11,971,383	13,198,152
		267,376,717
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$557,877,866)		\$ 561,964,678

Core Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS – 1.2%		
Bermuda – 0.0%		
Government of Bermuda 3.375%, 08/20/2050 (C)	\$ 370,000	\$ 398,675
Indonesia – 0.1%		
Republic of Indonesia 4.450%, 04/15/2070 (D)	560,000	684,954
Israel – 0.0%		
State of Israel 3.375%, 01/15/2050	303,000	334,973
Japan – 0.1%		
Japan Bank for International Cooperation 1.750%, 10/17/2024	816,000	854,633
Mexico – 0.5%		
Government of Mexico 2.659%, 05/24/2031	1,502,000	1,537,372
3.771%, 05/24/2061	295,000	307,243
3.900%, 04/27/2025 (D)	158,000	177,137
4.350%, 01/15/2047	400,000	456,000
4.500%, 04/22/2029	1,416,000	1,662,384
4.600%, 02/10/2048	387,000	453,761
4.750%, 03/08/2044	422,000	501,653
		5,095,550
Paraguay – 0.1%		
Republic of Paraguay 4.950%, 04/28/2031 (C)	361,000	436,359
5.400%, 03/30/2050 (C)	447,000	565,455
		1,001,814
Peru – 0.1%		
Republic of Peru 1.862%, 12/01/2032	324,000	326,592
2.392%, 01/23/2026	856,000	912,933
3.230%, 07/28/2121	129,000	128,678
		1,368,203
Philippines – 0.1%		
Republic of the Philippines 2.650%, 12/10/2045	965,000	977,152
United Arab Emirates – 0.2%		
Government of Abu Dhabi 2.500%, 04/16/2025 (C)	1,815,000	1,938,965
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$11,774,383)		\$ 12,654,919
CORPORATE BONDS – 32.2%		
Communication services – 2.7%		
Activision Blizzard, Inc. 2.500%, 09/15/2050	394,000	384,317
Alphabet, Inc. 2.250%, 08/15/2060	454,000	437,900
AT&T, Inc. 1.650%, 02/01/2028	510,000	520,114
2.250%, 02/01/2032	677,000	686,373
2.300%, 06/01/2027	1,026,000	1,093,570
2.750%, 06/01/2031	1,026,000	1,096,078
3.000%, 06/30/2022	788,000	815,510
3.100%, 02/01/2043	161,000	162,838
3.300%, 02/01/2052	45,000	44,533
3.500%, 06/01/2041	340,000	366,036
3.500%, 09/15/2053 (C)	601,000	598,709
3.550%, 09/15/2055 (C)	506,000	503,309
3.650%, 09/15/2059 (C)	469,000	470,371
3.800%, 12/01/2057 (C)	610,000	633,547
3.850%, 06/01/2060	340,000	355,687
Charter Communications Operating LLC 4.464%, 07/23/2022	303,000	319,427

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Charter Communications		
Operating LLC (continued)		
4.800%, 03/01/2050	\$ 620,000	\$ 739,774
Comcast Corp.		
1.500%, 02/15/2031	606,000	601,753
1.950%, 01/15/2031	456,000	468,906
2.450%, 08/15/2052	280,000	272,166
3.750%, 04/01/2040	780,000	937,205
3.950%, 10/15/2025	226,000	259,593
4.150%, 10/15/2028	387,000	465,656
4.600%, 10/15/2038	783,000	1,030,470
The Walt Disney Company		
3.500%, 05/13/2040	388,000	455,459
3.600%, 01/13/2051	348,000	421,603
3.800%, 05/13/2060	242,000	306,796
T-Mobile USA, Inc.		
1.500%, 02/15/2026 (C)	851,000	871,313
2.050%, 02/15/2028 (C)	1,731,000	1,800,517
3.000%, 02/15/2041 (C)	147,000	152,398
3.500%, 04/15/2025 (C)	485,000	535,915
3.750%, 04/15/2027 (C)	1,055,000	1,201,434
Verizon Communications, Inc.		
1.750%, 01/20/2031	1,201,000	1,194,269
2.650%, 11/20/2040	1,338,000	1,351,187
2.875%, 11/20/2050	324,000	326,117
3.000%, 03/22/2027 to 11/20/2060	472,000	507,143
3.500%, 11/01/2024	744,000	821,482
4.016%, 12/03/2029	383,000	454,263
4.272%, 01/15/2036	135,000	167,250
4.400%, 11/01/2034	667,000	831,789
4.522%, 09/15/2048	414,000	538,980
ViacomCBS, Inc.		
4.200%, 05/19/2032	1,006,000	1,211,642
4.375%, 03/15/2043	94,000	110,890
4.600%, 01/15/2045	62,000	74,103
4.750%, 05/15/2025	527,000	611,718
4.950%, 05/19/2050	12,000	15,518
5.850%, 09/01/2043	222,000	308,383
Vodafone Group PLC		
4.250%, 09/17/2050	606,000	750,648
		28,284,659
Consumer discretionary – 2.3%		
Advance Auto Parts, Inc.		
1.750%, 10/01/2027	663,000	673,050
3.900%, 04/15/2030	1,034,000	1,188,428
Amazon.com, Inc.		
2.500%, 06/03/2050	372,000	385,200
2.700%, 06/03/2060	338,000	360,575
BorgWarner, Inc.		
2.650%, 07/01/2027 (D)	710,000	763,144
General Motors Company		
5.400%, 04/01/2048	641,000	806,013
General Motors Financial Company, Inc.		
1.700%, 08/18/2023	1,055,000	1,082,096
2.700%, 08/20/2027	1,488,000	1,577,458
2.750%, 06/20/2025	988,000	1,056,262
5.200%, 03/20/2023	723,000	792,717
Harley-Davidson Financial Services, Inc.		
3.350%, 06/08/2025 (C)	653,000	707,185
Hyundai Capital America		
1.250%, 09/18/2023 (C)	497,000	502,855
1.800%, 10/15/2025 (C)	834,000	854,883
2.375%, 10/15/2027 (C)	497,000	520,871
Lowe's Companies, Inc.		
1.700%, 10/15/2030	861,000	868,732

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Marriott International, Inc.		
4.625%, 06/15/2030	\$ 124,000	\$ 145,437
5.750%, 05/01/2025	589,000	688,827
McDonald's Corp.		
1.450%, 09/01/2025	247,000	256,086
2.125%, 03/01/2030	91,000	95,892
3.700%, 01/30/2026	488,000	555,752
NIKE, Inc.		
3.375%, 03/27/2050	383,000	470,301
Nissan Motor Company, Ltd.		
3.522%, 09/17/2025 (C)	283,000	303,391
4.345%, 09/17/2027 (C)	835,000	921,913
4.810%, 09/17/2030 (C)	376,000	423,678
O'Reilly Automotive, Inc.		
1.750%, 03/15/2031	868,000	868,811
4.200%, 04/01/2030	330,000	397,326
Ralph Lauren Corp.		
1.700%, 06/15/2022	551,000	561,007
Starbucks Corp.		
1.300%, 05/07/2022	404,000	409,641
2.550%, 11/15/2030	353,000	381,642
3.350%, 03/12/2050	324,000	361,516
3.500%, 11/15/2050	702,000	805,633
The Home Depot, Inc.		
2.700%, 04/15/2030	395,000	440,627
2.950%, 06/15/2029	181,000	205,640
3.125%, 12/15/2049	908,000	1,045,586
3.300%, 04/15/2040	131,000	154,180
3.350%, 04/15/2050	653,000	775,654
The Leland Stanford Junior University		
1.289%, 06/01/2027	130,000	133,777
Time Warner Cable LLC		
6.550%, 05/01/2037	219,000	300,304
Yale University		
0.873%, 04/15/2025	570,000	578,883
1.482%, 04/15/2030	488,000	500,615
		23,921,588
Consumer staples – 1.8%		
Altria Group, Inc.		
2.350%, 05/06/2025	138,000	146,594
3.875%, 09/16/2046	278,000	293,183
4.450%, 05/06/2050	288,000	339,911
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	902,000	1,144,102
4.900%, 02/01/2046	506,000	658,531
Anheuser-Busch InBev Worldwide, Inc.		
3.750%, 07/15/2042	291,000	330,568
4.150%, 01/23/2025	672,000	765,162
4.375%, 04/15/2038	947,000	1,171,154
4.600%, 04/15/2048	852,000	1,076,371
Bacardi, Ltd.		
4.700%, 05/15/2028 (C)	406,000	481,440
5.150%, 05/15/2038 (C)	274,000	350,107
5.300%, 05/15/2048 (C)(D)	411,000	569,220
BAT Capital Corp.		
2.259%, 03/25/2028	35,000	36,316
2.726%, 03/25/2031	1,249,000	1,292,892
3.557%, 08/15/2027	637,000	709,015
4.700%, 04/02/2027	684,000	803,997
4.906%, 04/02/2030	173,000	208,827
BAT International Finance PLC		
1.668%, 03/25/2026	1,071,000	1,096,036
Bunge, Ltd. Finance Corp.		
1.630%, 08/17/2025	848,000	876,235
3.250%, 08/15/2026	861,000	956,631

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Bunge, Ltd. Finance Corp. (continued)		
3.750%, 09/25/2027	\$ 596,000	\$ 679,346
Constellation Brands, Inc.		
3.200%, 02/15/2023	156,000	164,838
3.700%, 12/06/2026	97,000	110,982
4.400%, 11/15/2025	46,000	53,401
Costco Wholesale Corp.		
1.600%, 04/20/2030	1,926,000	1,972,463
1.750%, 04/20/2032	219,000	227,460
General Mills, Inc.		
2.875%, 04/15/2030	230,000	254,886
Keurig Dr. Pepper, Inc.		
3.800%, 05/01/2050	331,000	395,727
Mars, Inc.		
1.625%, 07/16/2032 (C)	822,000	814,756
Sysco Corp.		
6.600%, 04/01/2050	168,000	258,349
Walmart, Inc.		
3.050%, 07/08/2026	299,000	336,537
4.050%, 06/29/2048	8,000	10,837
		18,585,874
Energy – 3.0%		
Aker BP ASA		
2.875%, 01/15/2026 (C)	882,000	899,904
4.000%, 01/15/2031 (C)	454,000	491,528
BP Capital Markets America, Inc.		
1.749%, 08/10/2030	651,000	653,114
2.772%, 11/10/2050	781,000	771,202
3.194%, 04/06/2025	794,000	872,939
3.543%, 04/06/2027	799,000	908,975
Concho Resources, Inc.		
2.400%, 02/15/2031	405,000	423,635
Devon Energy Corp.		
5.000%, 06/15/2045	168,000	198,306
5.600%, 07/15/2041	257,000	313,913
5.850%, 12/15/2025	752,000	883,676
Diamondback Energy, Inc.		
3.250%, 12/01/2026	987,000	1,053,542
3.500%, 12/01/2029	587,000	626,789
Ecopetrol SA		
5.875%, 05/28/2045	374,000	452,727
Enbridge, Inc.		
2.500%, 01/15/2025	1,512,000	1,618,649
3.125%, 11/15/2029	690,000	758,298
Energy Transfer Operating LP		
3.600%, 02/01/2023	81,000	84,853
4.050%, 03/15/2025	1,534,000	1,682,481
4.200%, 04/15/2027	240,000	264,357
4.250%, 03/15/2023	467,000	496,230
4.500%, 11/01/2023 to 04/15/2024	310,000	336,614
4.750%, 01/15/2026	225,000	254,525
5.500%, 06/01/2027	233,000	274,484
6.000%, 06/15/2048	129,000	153,318
6.050%, 06/01/2041	147,000	171,963
Enterprise Products Operating LLC		
3.700%, 01/31/2051	298,000	327,442
3.950%, 01/31/2060	330,000	364,563
Equinor ASA		
1.750%, 01/22/2026	400,000	420,096
3.250%, 11/18/2049	234,000	259,563
FEL Energy VI Sarl		
5.750%, 12/01/2040 (C)	329,000	350,155
Galaxy Pipeline Assets Bidco, Ltd.		
1.750%, 09/30/2027 (C)	974,000	988,625
2.625%, 03/31/2036 (C)	459,000	476,135

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Gray Oak Pipeline LLC		
2.600%, 10/15/2025 (C)	\$ 342,000	\$ 352,413
HollyFrontier Corp.		
2.625%, 10/01/2023	345,000	352,567
Marathon Oil Corp.		
3.850%, 06/01/2025	202,000	216,491
4.400%, 07/15/2027	845,000	938,983
5.200%, 06/01/2045	166,000	190,120
6.800%, 03/15/2032	159,000	195,723
MPLX LP		
1.750%, 03/01/2026	507,000	524,574
2.650%, 08/15/2030	682,000	714,350
Oleoducto Central SA		
4.000%, 07/14/2027 (C)	246,000	267,035
ONEOK, Inc.		
3.100%, 03/15/2030	64,000	68,143
3.400%, 09/01/2029	150,000	160,454
Petroleos Mexicanos		
2.378%, 04/15/2025	618,750	644,539
2.460%, 12/15/2025	1,620,500	1,696,577
Pioneer Natural Resources Company		
1.900%, 08/15/2030	855,000	846,461
Plains All American Pipeline LP		
3.550%, 12/15/2029	1,483,000	1,551,193
4.900%, 02/15/2045	138,000	146,256
Saudi Arabian Oil Company		
1.625%, 11/24/2025 (C)(D)	503,000	515,322
2.250%, 11/24/2030 (C)	503,000	511,933
Suncor Energy, Inc.		
3.100%, 05/15/2025	676,000	740,290
Sunoco Logistics Partners Operations LP		
3.450%, 01/15/2023	78,000	81,366
4.000%, 10/01/2027	353,000	386,126
4.250%, 04/01/2024	207,000	224,106
The Williams Companies, Inc.		
3.900%, 01/15/2025	225,000	249,426
Total Capital International SA		
3.127%, 05/29/2050	497,000	537,612
Transcontinental Gas Pipe Line Company LLC		
3.250%, 05/15/2030	336,000	376,317
3.950%, 05/15/2050	538,000	607,462
Valero Energy Corp.		
1.200%, 03/15/2024	326,000	328,962
		31,257,402
Financials – 9.4%		
Ally Financial, Inc.		
1.450%, 10/02/2023	1,324,000	1,351,471
5.125%, 09/30/2024	1,057,000	1,218,344
5.750%, 11/20/2025	1,141,000	1,328,127
American International Group, Inc.		
3.400%, 06/30/2030	718,000	822,183
4.200%, 04/01/2028	479,000	568,445
4.375%, 06/30/2050	424,000	554,197
4.750%, 04/01/2048	661,000	880,466
Arch Capital Group, Ltd.		
3.635%, 06/30/2050	422,000	490,216
Ares Capital Corp.		
3.875%, 01/15/2026	531,000	575,257
Asian Development Bank		
0.625%, 04/07/2022	1,229,000	1,235,604
Athene Holding, Ltd.		
3.500%, 01/15/2031	240,000	253,486
4.125%, 01/12/2028	644,000	717,402
6.150%, 04/03/2030	501,000	622,953

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Banco Santander SA		
2.746%, 05/28/2025	\$ 600,000	\$ 640,386
2.749%, 12/03/2030	400,000	412,826
3.490%, 05/28/2030	200,000	224,293
Bank of America Corp.		
3.500%, 04/19/2026	161,000	182,423
Bank of America Corp. (0.810% to 10-24-23, then SOFR + 0.740%) 10/24/2024	1,711,000	1,726,861
Bank of America Corp. (0.981% to 9-25-24, then SOFR + 0.910%) 09/25/2025	1,441,000	1,456,420
Bank of America Corp. (1.197% to 10-24-25, then SOFR + 1.010%) 10/24/2026	3,150,000	3,191,210
Bank of America Corp. (1.319% to 6-19-25, then SOFR + 1.150%) 06/19/2026	1,439,000	1,469,389
Bank of America Corp. (1.898% to 7-23-30, then SOFR + 1.530%) 07/23/2031	1,460,000	1,474,244
Bank of America Corp. (1.922% to 10-24-30, then SOFR + 1.370%) 10/24/2031	534,000	540,739
Bank of America Corp. (2.015% to 2-13-25, then 3 month LIBOR + 0.640%) 02/13/2026	163,000	170,798
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	884,000	942,204
Bank of America Corp. (2.496% to 2-13-30, then 3 month LIBOR + 0.990%) 02/13/2031	897,000	952,157
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	1,031,000	1,104,810
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,695,000	1,784,837
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	1,211,000	1,310,703
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,621,000	1,832,790
Barclays PLC (1.007% to 12-10-23, then 1 Year CMT + 0.800%) 12/10/2024	1,281,000	1,289,567
Barclays PLC (3.564% to 9-23-30, then 5 Year CMT + 2.900%) 09/23/2035	696,000	754,144
Barclays PLC (5.088% to 6-20-29, then 3 month LIBOR + 3.054%) 06/20/2030	393,000	471,216
Brighthouse Financial, Inc.		
4.700%, 06/22/2047	779,000	821,621
Brookfield Finance, Inc.		
4.350%, 04/15/2030	162,000	193,902
CI Financial Corp.		
3.200%, 12/17/2030	401,000	410,480
Citigroup, Inc.		
3.200%, 10/21/2026	830,000	927,327
Citigroup, Inc. (0.776% to 10-30-23, then SOFR + 0.686%) 10/30/2024	1,097,000	1,104,035
Credit Suisse Group AG		
3.800%, 06/09/2023	535,000	576,154

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Credit Suisse Group AG (2.193% to 6-5-25, then SOFR + 2.044%) 06/05/2026 (C)	\$ 1,224,000	\$ 1,278,884
Credit Suisse Group AG (2.593% to 9-11-24, then SOFR + 1.560%) 09/11/2025 (C)	250,000	263,024
Credit Suisse Group AG (2.997% to 12-14-22, then 3 month LIBOR + 1.200%) 12/14/2023 (C)	593,000	620,009
Credit Suisse Group AG (4.194% to 4-1-30, then SOFR + 3.730%) 04/01/2031 (C)	1,434,000	1,685,832
Danske Bank A/S		
5.000%, 01/12/2022 (C)	796,000	830,974
Danske Bank A/S (1.171% to 12-8-22, then 1 Year CMT + 1.030%) 12/08/2023 (C)	1,313,000	1,318,862
Danske Bank A/S (3.001% to 9-20-21, then 3 month LIBOR + 1.249%) 09/20/2022 (C)	1,554,000	1,578,556
Danske Bank A/S (3.244% to 12-20-24, then 3 month LIBOR + 1.591%) 12/20/2025 (C)	1,448,000	1,549,216
Deutsche Bank AG (2.129% to 11-24-25, then SOFR + 1.870%) 11/24/2026	977,000	999,213
Deutsche Bank AG (2.222% to 9-18-23, then SOFR + 2.159%) 09/18/2024	665,000	684,063
Element Fleet Management Corp.		
3.850%, 06/15/2025 (C)	653,000	695,873
Franklin Resources, Inc.		
1.600%, 10/30/2030	773,000	768,645
FS KKR Capital Corp.		
3.400%, 01/15/2026	1,115,000	1,108,083
GE Capital Funding LLC		
3.450%, 05/15/2025 (C)	382,000	421,619
4.400%, 05/15/2030 (C)	817,000	962,612
GE Capital International Funding Company		
4.418%, 11/15/2035	1,050,000	1,252,064
Golub Capital BDC, Inc.		
3.375%, 04/15/2024	1,641,000	1,670,272
HSBC Holdings PLC (1.589% to 5-24-26, then SOFR + 1.290%) 05/24/2027	1,861,000	1,892,013
HSBC Holdings PLC (1.645% to 4-18-25, then SOFR + 1.538%) 04/18/2026	1,439,000	1,471,461
HSBC Holdings PLC (2.013% to 9-22-27, then SOFR + 1.732%) 09/22/2028	1,640,000	1,678,181
Inter-American Development Bank		
0.875%, 04/03/2025	1,262,000	1,286,185
Intercontinental Exchange, Inc.		
1.850%, 09/15/2032	682,000	687,515
2.650%, 09/15/2040	238,000	244,060
JPMorgan Chase & Co. (1.045% to 11-19-25, then SOFR + 0.800%) 11/19/2026	1,781,000	1,800,713
JPMorgan Chase & Co. (1.764% to 11-19-30, then SOFR + 1.105%) 11/19/2031	977,000	986,369
JPMorgan Chase & Co. (2.182% to 6-1-27, then SOFR + 1.890%) 06/01/2028	978,000	1,037,693

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	\$ 336,000	\$ 368,335
Landwirtschaftliche Rentenbank 0.500%, 05/27/2025	1,957,000	1,963,301
Morgan Stanley 3.625%, 01/20/2027	863,000	990,180
4.000%, 07/23/2025	1,138,000	1,302,609
Morgan Stanley (0.560% to 11-10-22, then SOFR + 0.466%) 11/10/2023	1,141,000	1,143,601
Morgan Stanley (0.864% to 10-21-24, then SOFR + 0.745%) 10/21/2025	1,151,000	1,160,251
Morgan Stanley (0.985% to 12-10-25, then SOFR + 0.720%) 12/10/2026	1,625,000	1,636,572
Morgan Stanley (1.794% to 2-13-31, then SOFR + 1.034%) 02/13/2032	1,957,000	1,967,912
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	163,000	172,133
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	119,000	138,189
National Australia Bank, Ltd. 2.332%, 08/21/2030 (C)	905,000	919,522
Nationwide Financial Services, Inc. 3.900%, 11/30/2049 (C)	768,000	853,837
Nationwide Mutual Insurance Company 4.350%, 04/30/2050 (C)	426,000	499,585
Natwest Group PLC (3.073% to 5-22-27, then 1 Year CMT + 2.550%) 05/22/2028	507,000	550,061
NatWest Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	509,000	541,668
Nomura Holdings, Inc. 2.679%, 07/16/2030	483,000	511,048
3.103%, 01/16/2030	1,251,000	1,366,855
Owl Rock Capital Corp. 3.400%, 07/15/2026	645,000	653,755
Santander Holdings USA, Inc. 3.244%, 10/05/2026	733,000	799,357
3.400%, 01/18/2023	233,000	244,727
3.450%, 06/02/2025	1,372,000	1,500,310
4.400%, 07/13/2027	367,000	419,271
4.500%, 07/17/2025	73,000	82,807
Santander UK Group Holdings PLC (1.532% to 8-21-25, then 1 Year CMT + 1.250%) 08/21/2026	2,083,000	2,113,950
Scentre Group Trust I 3.625%, 01/28/2026 (C)	503,000	553,339
Societe Generale SA (1.488% to 12-14-25, then 1 Year CMT + 1.100%) 12/14/2026 (C)	1,613,000	1,625,812
Societe Generale SA (3.653% to 7-8-30, then 5 Year CMT + 3.000%) 07/08/2035 (C)	427,000	462,146
Svensk Exportkredit AB 0.750%, 04/06/2023 (D)	1,696,000	1,713,740
The Andrew W. Mellon Foundation 0.947%, 08/01/2027	389,000	388,586
The Charles Schwab Corp. 1.650%, 03/11/2031	324,000	326,853
The Goldman Sachs Group, Inc. 6.750%, 10/01/2037	540,000	825,378
The Goldman Sachs Group, Inc. (0.627% to 11-17-22, then SOFR + 0.538%) 11/17/2023	2,652,000	2,662,630

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The Goldman Sachs Group, Inc. (1.093% to 12-9-25, then SOFR + 0.789%) 12/09/2026	\$ 648,000	\$ 654,507
Trust Fibra Uno 4.869%, 01/15/2030 (C)	400,000	455,404
6.390%, 01/15/2050 (C)	325,000	380,738
Westpac Banking Corp. (2.668% to 11-15-30, then 5 Year CMT + 1.750%) 11/15/2035	1,131,000	1,165,111
		98,469,758
Health care – 3.6%		
AbbVie, Inc.		
2.300%, 11/21/2022	995,000	1,031,530
2.950%, 11/21/2026	318,000	351,763
3.200%, 11/21/2029	1,348,000	1,509,933
3.750%, 11/14/2023	88,000	95,948
3.800%, 03/15/2025	1,328,000	1,481,239
4.050%, 11/21/2039	369,000	445,197
4.250%, 11/14/2028 to 11/21/2049	1,525,000	1,898,704
4.300%, 05/14/2036	230,000	282,860
4.450%, 05/14/2046	234,000	297,223
Aetna, Inc.		
3.875%, 08/15/2047	252,000	300,049
Amgen, Inc.		
3.150%, 02/21/2040	114,000	125,321
Anthem, Inc.		
2.250%, 05/15/2030	1,493,000	1,584,881
Bristol-Myers Squibb Company		
0.750%, 11/13/2025	682,000	686,509
1.125%, 11/13/2027	1,024,000	1,033,867
1.450%, 11/13/2030	1,195,000	1,200,287
2.350%, 11/13/2040	256,000	263,065
2.550%, 11/13/2050	785,000	801,378
3.400%, 07/26/2029	416,000	484,092
3.450%, 11/15/2027	459,000	529,293
3.900%, 02/20/2028	493,000	583,468
4.250%, 10/26/2049	259,000	350,178
4.350%, 11/15/2047	153,000	205,159
Cigna Corp.		
3.400%, 09/17/2021	702,000	717,086
3.875%, 10/15/2047	511,000	604,276
CVS Health Corp.		
1.750%, 08/21/2030	165,000	165,880
2.700%, 08/21/2040	503,000	508,124
3.000%, 08/15/2026	343,000	379,841
3.700%, 03/09/2023	116,000	124,175
4.300%, 03/25/2028	458,000	545,154
4.780%, 03/25/2038	245,000	309,158
Danaher Corp.		
2.600%, 10/01/2050	407,000	421,740
3.350%, 09/15/2025	318,000	355,939
DH Europe Finance II Sarl		
2.050%, 11/15/2022	507,000	522,956
2.200%, 11/15/2024	874,000	926,127
2.600%, 11/15/2029	648,000	708,322
3.400%, 11/15/2049	6,000	7,111
Eli Lilly & Company		
2.250%, 05/15/2050	482,000	472,785
Gilead Sciences, Inc.		
1.200%, 10/01/2027	517,000	520,338
1.650%, 10/01/2030	517,000	518,382
2.600%, 10/01/2040	552,000	556,475
2.800%, 10/01/2050	243,000	240,742
HCA, Inc.		
5.125%, 06/15/2039	175,000	223,655

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
HCA, Inc. (continued)		
5.250%, 06/15/2049	\$ 168,000	\$ 221,540
Johnson & Johnson		
2.100%, 09/01/2040	116,000	116,703
Merck & Company, Inc.		
2.350%, 06/24/2040	231,000	238,675
2.450%, 06/24/2050	68,000	70,261
3.700%, 02/10/2045	221,000	275,881
Perrigo Finance Unlimited Company		
3.150%, 06/15/2030	537,000	573,617
4.900%, 12/15/2044	274,000	305,574
Pfizer, Inc.		
2.800%, 03/11/2022	305,000	314,151
Regeneron Pharmaceuticals, Inc.		
1.750%, 09/15/2030	1,864,000	1,834,468
2.800%, 09/15/2050	394,000	381,398
Royalty Pharma PLC		
0.750%, 09/02/2023 (C)	166,000	166,782
1.200%, 09/02/2025 (C)	166,000	168,502
3.550%, 09/02/2050 (C)	430,000	458,130
Shire Acquisitions Investments Ireland DAC		
2.875%, 09/23/2023	663,000	703,018
Stryker Corp.		
1.150%, 06/15/2025	682,000	695,725
1.950%, 06/15/2030	301,000	309,543
2.900%, 06/15/2050	479,000	507,373
Takeda Pharmaceutical Company, Ltd.		
2.050%, 03/31/2030	1,231,000	1,258,798
3.175%, 07/09/2050	782,000	831,924
4.400%, 11/26/2023	578,000	640,274
Thermo Fisher Scientific, Inc.		
4.497%, 03/25/2030	1,192,000	1,488,974
UnitedHealth Group, Inc.		
2.750%, 05/15/2040	244,000	264,253
3.500%, 08/15/2039	111,000	131,870
3.700%, 12/15/2025	343,000	393,537
3.750%, 10/15/2047	273,000	338,532
3.875%, 08/15/2059	174,000	224,791
		37,284,504
Industrials – 2.4%		
Adani International Container Terminal Pvt, Ltd.		
3.000%, 02/16/2031 (C)	282,000	282,696
Adani Ports & Special Economic Zone, Ltd.		
4.200%, 08/04/2027 (C)	583,000	624,428
AerCap Ireland Capital DAC		
3.150%, 02/15/2024	664,000	695,838
3.500%, 05/26/2022	308,000	318,618
3.950%, 02/01/2022	191,000	196,395
4.625%, 07/01/2022	162,000	170,468
4.875%, 01/16/2024	321,000	350,334
6.500%, 07/15/2025	650,000	776,894
Aviation Capital Group LLC		
5.500%, 12/15/2024 (C)	850,000	940,848
Crowley Conro LLC		
4.181%, 08/15/2043	521,186	623,536
CSX Corp.		
2.500%, 05/15/2051	227,000	224,537
4.300%, 03/01/2048	40,000	51,292
4.750%, 11/15/2048	220,000	301,267
Deere & Company		
3.750%, 04/15/2050	259,000	334,973

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Delta Air Lines, Inc.		
4.500%, 10/20/2025 (C)	\$ 1,295,000	\$ 1,383,961
4.750%, 10/20/2028 (C)	775,000	845,609
General Electric Company		
3.450%, 05/01/2027	951,000	1,073,428
3.625%, 05/01/2030	487,000	556,296
4.350%, 05/01/2050	256,000	310,801
5.875%, 01/14/2038	53,000	71,750
Highwoods Realty LP		
2.600%, 02/01/2031	282,000	287,494
Hutama Karya Persero PT		
3.750%, 05/11/2030 (C)	376,000	420,180
John Deere Capital Corp.		
0.550%, 07/05/2022	977,000	981,717
1.200%, 04/06/2023	752,000	766,971
Northrop Grumman Corp.		
2.550%, 10/15/2022	1,008,000	1,046,900
2.930%, 01/15/2025	45,000	48,936
3.250%, 08/01/2023 to 01/15/2028	1,506,000	1,650,919
4.030%, 10/15/2047	330,000	413,358
5.150%, 05/01/2040	497,000	686,073
Raytheon Technologies Corp.		
3.650%, 08/16/2023	64,000	68,998
3.950%, 08/16/2025	458,000	525,185
4.450%, 11/16/2038	426,000	536,498
Republic Services, Inc.		
1.750%, 02/15/2032	684,000	685,190
Southwest Airlines Company		
4.750%, 05/04/2023	684,000	743,385
5.125%, 06/15/2027	1,022,000	1,215,324
The Boeing Company		
3.250%, 02/01/2028	690,000	739,181
3.625%, 02/01/2031	529,000	579,528
3.750%, 02/01/2050	361,000	378,968
5.805%, 05/01/2050	215,000	296,539
Union Pacific Corp.		
2.150%, 02/05/2027	505,000	535,583
2.400%, 02/05/2030	625,000	672,463
2.950%, 03/01/2022	567,000	584,541
2.973%, 09/16/2062 (C)	83,000	86,498
3.150%, 03/01/2024	270,000	292,074
3.250%, 02/05/2050	803,000	913,703
3.750%, 02/05/2070	101,000	121,877
Waste Management, Inc.		
2.500%, 11/15/2050	163,000	164,356
		25,576,408
Information technology – 2.3%		
Apple, Inc.		
2.550%, 08/20/2060	747,000	766,416
2.650%, 05/11/2050	786,000	832,563
4.250%, 02/09/2047	230,000	313,368
Broadcom Corp.		
3.875%, 01/15/2027	772,000	867,442
Broadcom, Inc.		
3.150%, 11/15/2025	1,788,000	1,950,914
4.150%, 11/15/2030	1,013,000	1,170,992
4.250%, 04/15/2026	547,000	626,584
4.700%, 04/15/2025	803,000	920,041
Dell International LLC		
4.900%, 10/01/2026 (C)	162,000	191,250
5.300%, 10/01/2029 (C)	326,000	399,243
6.100%, 07/15/2027 (C)	324,000	402,581
Fiserv, Inc.		
3.200%, 07/01/2026	547,000	612,593
3.500%, 07/01/2029	158,000	180,326

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Flex, Ltd.		
4.875%, 05/12/2030	\$ 855,000	\$ 1,027,494
HP, Inc.		
2.200%, 06/17/2025	1,026,000	1,086,047
IBM Corp.		
3.300%, 05/15/2026	210,000	237,234
4.150%, 05/15/2039	100,000	126,443
Intel Corp.		
4.600%, 03/25/2040	81,000	106,796
KLA Corp.		
3.300%, 03/01/2050	433,000	487,709
Micron Technology, Inc.		
2.497%, 04/24/2023	1,009,000	1,051,333
Microsoft Corp.		
2.675%, 06/01/2060	252,000	272,436
4.100%, 02/06/2037	321,000	420,795
NVIDIA Corp.		
2.850%, 04/01/2030	176,000	197,883
3.500%, 04/01/2050	1,379,000	1,669,731
NXP BV		
3.150%, 05/01/2027 (C)	548,000	603,962
3.875%, 06/18/2026 (C)	1,301,000	1,489,382
4.300%, 06/18/2029 (C)	426,000	507,478
Oracle Corp.		
2.625%, 02/15/2023	421,000	440,643
2.800%, 04/01/2027	974,000	1,073,783
2.950%, 11/15/2024	225,000	244,749
3.800%, 11/15/2037	230,000	277,464
3.850%, 04/01/2060	537,000	658,948
4.000%, 11/15/2047	489,000	603,081
PayPal Holdings, Inc.		
1.350%, 06/01/2023	879,000	899,964
1.650%, 06/01/2025	1,234,000	1,289,000
Texas Instruments, Inc.		
1.375%, 03/12/2025	403,000	417,859
		24,424,527
Materials – 0.9%		
Barrick North America Finance LLC		
5.700%, 05/30/2041	196,000	283,212
LYB International Finance III LLC		
1.250%, 10/01/2025	378,000	384,537
2.250%, 10/01/2030	164,000	169,359
3.375%, 10/01/2040	803,000	856,847
3.625%, 04/01/2051	300,000	327,224
Newmont Corp.		
2.250%, 10/01/2030	2,172,000	2,284,574
Nucor Corp.		
2.000%, 06/01/2025	339,000	358,936
2.700%, 06/01/2030	436,000	479,178
Nutrien, Ltd.		
5.000%, 04/01/2049	329,000	454,248
Nutrition & Biosciences, Inc.		
1.230%, 10/01/2025 (C)	180,000	181,871
Reliance Steel & Aluminum Company		
1.300%, 08/15/2025	268,000	272,142
2.150%, 08/15/2030	697,000	715,712
Teck Resources, Ltd.		
5.200%, 03/01/2042	249,000	283,956
6.125%, 10/01/2035	150,000	193,289
6.250%, 07/15/2041	399,000	509,496
The Dow Chemical Company		
2.100%, 11/15/2030	978,000	1,002,901
3.600%, 11/15/2050	182,000	204,113
4.375%, 11/15/2042	163,000	199,348
		9,160,943

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate – 1.2%		
Agree LP		
2.900%, 10/01/2030	\$ 237,000	\$ 251,624
Crown Castle International Corp.		
3.300%, 07/01/2030	272,000	304,281
4.000%, 03/01/2027	159,000	182,544
Equinix, Inc.		
2.625%, 11/18/2024	429,000	458,529
2.900%, 11/18/2026	897,000	980,770
Federal Realty Investment Trust		
3.950%, 01/15/2024	506,000	550,118
GLP Capital LP		
4.000%, 01/15/2030	263,000	285,686
5.300%, 01/15/2029	322,000	374,686
Healthpeak Properties, Inc.		
2.875%, 01/15/2031	279,000	300,525
Kimco Realty Corp.		
1.900%, 03/01/2028	338,000	348,631
Mid-America Apartments LP		
1.700%, 02/15/2031	300,000	298,710
3.600%, 06/01/2027	49,000	55,409
3.750%, 06/15/2024	749,000	815,806
3.950%, 03/15/2029	320,000	374,941
4.000%, 11/15/2025	390,000	441,451
4.300%, 10/15/2023	326,000	355,537
Realty Income Corp.		
3.250%, 01/15/2031	319,000	361,422
Regency Centers LP		
2.950%, 09/15/2029	694,000	741,410
Spirit Realty LP		
3.200%, 02/15/2031	755,000	801,854
3.400%, 01/15/2030	383,000	415,163
4.000%, 07/15/2029	184,000	207,067
4.450%, 09/15/2026	39,000	44,033
STORE Capital Corp.		
2.750%, 11/18/2030	565,000	574,272
4.500%, 03/15/2028	1,205,000	1,371,222
4.625%, 03/15/2029	406,000	470,778
VEREIT Operating Partnership LP		
2.200%, 06/15/2028	342,000	349,543
2.850%, 12/15/2032	239,000	249,745
3.400%, 01/15/2028	338,000	372,970
		12,338,727
Utilities – 2.6%		
Black Hills Corp.		
3.050%, 10/15/2029	391,000	426,115
3.875%, 10/15/2049	286,000	333,966
CenterPoint Energy Houston		
Electric LLC		
2.900%, 07/01/2050	154,000	166,768
CenterPoint Energy Resources Corp.		
4.100%, 09/01/2047	313,000	383,063
CenterPoint Energy, Inc.		
2.500%, 09/01/2022 to 09/01/2024	760,000	806,168
2.950%, 03/01/2030	271,000	294,809
Consumers Energy Company		
2.500%, 05/01/2060	270,000	270,664
Dominion Energy, Inc.		
2.000%, 08/15/2021	448,000	451,741
DTE Electric Company		
2.950%, 03/01/2050	705,000	784,024
DTE Energy Company		
1.050%, 06/01/2025	650,000	657,164
2.529%, 10/01/2024	86,000	91,617
2.950%, 03/01/2030	426,000	464,783
3.800%, 03/15/2027	643,000	738,400

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Duke Energy Corp. 1.800%, 09/01/2021	\$ 672,000	\$ 677,818
Duke Energy Progress LLC 2.500%, 08/15/2050	389,000	390,904
Entergy Arkansas LLC 2.650%, 06/15/2051	427,000	436,627
Entergy Texas, Inc. 1.750%, 03/15/2031	431,000	431,743
Evergy Kansas Central, Inc. 3.450%, 04/15/2050	697,000	819,107
Evergy Metro, Inc. 2.250%, 06/01/2030	418,000	442,613
Evergy, Inc. 2.450%, 09/15/2024	596,000	631,866
	2,900%, 09/15/2029	423,000
Exelon Corp. 4.700%, 04/15/2050	619,000	821,700
Interstate Power & Light Company 3.500%, 09/30/2049	244,000	279,994
ITC Holdings Corp. 2.700%, 11/15/2022	645,000	671,170
Metropolitan Edison Company 4.300%, 01/15/2029 (C)	713,000	806,589
MidAmerican Energy Company 3.650%, 08/01/2048	338,000	412,529
Mississippi Power Company 3.950%, 03/30/2028	786,000	915,768
	4.250%, 03/15/2042	472,000
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	521,000	545,924
	2.750%, 05/01/2025	514,000
Pacific Gas & Electric Company 2.100%, 08/01/2027	939,000	952,852
	2.500%, 02/01/2031	879,000
	3.150%, 01/01/2026 (D)	227,000
	3.300%, 12/01/2027 (E)	834,000
	3.300%, 08/01/2040 (D)	214,000
	3.950%, 12/01/2047 (E)	517,000
	4.500%, 07/01/2040	163,000
	4.550%, 07/01/2030	713,000
Pennsylvania Electric Company 3.250%, 03/15/2028 (C)	270,000	287,704
PPL Capital Funding, Inc. 3.100%, 05/15/2026	775,000	855,032
	3.400%, 06/01/2023	91,000
	4.125%, 04/15/2030	829,000
	5.000%, 03/15/2044	259,000
Public Service Electric & Gas Company 2.050%, 08/01/2050	132,000	123,809
	2.700%, 05/01/2050	708,000
Southern California Edison Company 2.850%, 08/01/2029 (D)	326,000	354,514
	4.125%, 03/01/2048	357,000
	4.650%, 10/01/2043	153,000
Southern Company Gas Capital Corp. 1.750%, 01/15/2031	651,000	654,668
The AES Corp. 1.375%, 01/15/2026 (C)	687,000	692,971
Trans-Allegheny Interstate Line Company 3.850%, 06/01/2025 (C)	225,000	245,705
Virginia Electric and Power Company 2.450%, 12/15/2050	291,000	291,381

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
WEC Energy Group, Inc. 1.375%, 10/15/2027 (D)	\$ 716,000	\$ 727,495
		27,463,338
TOTAL CORPORATE BONDS (Cost \$317,473,636)		\$ 336,767,728
MUNICIPAL BONDS – 0.5%		
Board of Regents of the University of Texas 2.439%, 08/15/2049	285,000	289,190
County of Clark Department of Aviation (Nevada) 6.820%, 07/01/2045	750,000	1,243,455
Los Angeles Community College District (California) 6.750%, 08/01/2049	345,000	619,986
North Texas Tollway Authority 6.718%, 01/01/2049	697,000	1,208,696
Port Authority of New York & New Jersey 4.458%, 10/01/2062	571,000	759,624
The Ohio State University 4.800%, 06/01/2111	464,000	674,647
TOTAL MUNICIPAL BONDS (Cost \$4,014,168)		\$ 4,795,598
COLLATERALIZED MORTGAGE OBLIGATIONS – 7.7%		
Commercial and residential – 3.7%		
Angel Oak Mortgage Trust LLC Series 2019-2, Class A1, 3.628%, 03/25/2049 (C)(F)	331,843	339,384
Series 2020-2, Class A1A, 2.531%, 01/26/2065 (C)(F)	413,046	423,858
Series 2020-5, Class A1, 1.373%, 05/25/2065 (C)(F)	366,460	369,009
Benchmark Mortgage Trust Series 2018-B1, Class ASB, 3.602%, 01/15/2051 (F)	127,000	142,256
Series 2020-B22, Class A5, 1.973%, 01/15/2054	831,000	858,623
Bunker Hill Loan Depository Trust Series 2019-1, Class A1, 3.613%, 10/26/2048 (C)	456,564	461,438
Series 2019-2, Class A1, 2.879%, 07/25/2049 (C)	815,480	839,963
CD Mortgage Trust Series 2017-CD4, Class ASB, 3.317%, 05/10/2050	508,000	555,518
Series 2017-CD6, Class ASB, 3.332%, 11/13/2050	1,197,000	1,321,973
CFCRE Commercial Mortgage Trust Series 2017-C8, Class A1, 1.965%, 06/15/2050	28,827	28,829
Series 2017-C8, Class ASB, 3.367%, 06/15/2050	529,000	576,693
COLT Mortgage Loan Trust Series 2019-1, Class A1, 3.705%, 03/25/2049 (C)(F)	268,542	271,165
Series 2019-2, Class A1, 3.337%, 05/25/2049 (C)(F)	492,918	495,864
Series 2019-4, Class A1, 2.579%, 11/25/2049 (C)(F)	658,598	666,933
Series 2020-2, Class A1, 1.853%, 03/25/2065 (C)(F)	659,625	667,658

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2013-CR6, Class A4, 3.101%, 03/10/2046	\$ 1,394,000	\$ 1,445,297
Series 2014-UBS4, Class A4, 3.420%, 08/10/2047	730,000	775,784
Series 2015-LC21, Class A4, 3.708%, 07/10/2048	304,000	340,054
Series 2015-LC23, Class A3, 3.521%, 10/10/2048	379,000	412,600
CSAIL Commercial Mortgage Trust		
Series 2015-C2, Class A4, 3.504%, 06/15/2057	424,000	466,654
Series 2015-C4, Class A4, 3.808%, 11/15/2048	337,000	379,967
Series 2019-C17, Class A4, 2.763%, 09/15/2052	472,000	509,989
DBJPM Mortgage Trust		
Series 2017-C6, Class ASB 3.121%, 06/10/2050	298,000	324,000
GCAAT Trust		
Series 2019-NQM1, Class A1 2.985%, 02/25/2059 (C)	293,614	299,499
GS Mortgage Securities Trust		
Series 2014-GC18, Class A3, 3.801%, 01/10/2047	405,501	421,598
Series 2014-GC18, Class A4, 4.074%, 01/10/2047	971,000	1,053,036
Series 2015-GC34, Class A4, 3.506%, 10/10/2048	617,000	686,851
Series 2020-GSA2, Class A4, 1.721%, 12/12/2053	830,000	837,068
Series 2020-GSA2, Class A5, 2.012%, 12/12/2053	664,000	683,481
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust		
Series 2010-1, Class A1 5.314%, 01/25/2051 (C)	1,136,350	1,229,026
JPMBB Commercial Mortgage Securities Trust		
Series 2014-C23, Class A4, 3.670%, 09/15/2047	567,000	610,539
Series 2015-C28, Class A3, 2.912%, 10/15/2048	1,646,379	1,737,649
JPMCC Commercial Mortgage Securities Trust		
Series 2017-JP6, Class ASB 3.283%, 07/15/2050	563,000	615,323
JPMDB Commercial Mortgage Securities Trust		
Series 2017-C5, Class ASB, 3.492%, 03/15/2050	202,000	220,711
Series 2018-C8, Class ASB, 4.145%, 06/15/2051	561,000	646,493
Mello Warehouse Securitization Trust		
Series 2020-2, Class A (1 month LIBOR + 0.800%) 0.953%, 11/25/2053 (B)(C)	982,000	982,608
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2015-C20, Class A4 3.249%, 02/15/2048	158,000	171,454

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
New Residential Mortgage Loan Trust		
Series 2019-NQM2, Class A1, 3.600%, 04/25/2049 (C)(F)	\$ 379,650	\$ 382,555
Series 2019-NQM4, Class A1, 2.492%, 09/25/2050 (C)(F)	614,111	625,513
SG Residential Mortgage Trust		
Series 2019-3, Class A1 2.703%, 09/25/2059 (C)(F)	564,004	571,760
Starwood Mortgage Residential Trust		
Series 2019-INV1, Class A1, 2.610%, 09/27/2049 (C)(F)	690,102	702,378
Series 2020-1, Class A1, 2.275%, 02/25/2050 (C)(F)	1,169,134	1,194,866
Series 2020-3, Class A1, 1.486%, 04/25/2065 (C)(F)	947,776	954,027
Series 2020-INV1, Class A1, 1.027%, 11/25/2055 (C)(F)	719,410	720,026
Verus Securitization Trust		
Series 2019-1, Class A1, 3.836%, 02/25/2059 (C)(F)	270,705	272,101
Series 2019-2, Class A1, 3.211%, 05/25/2059 (C)(F)	996,654	1,004,330
Series 2019-3, Class A1, 2.784%, 07/25/2059 (C)	1,289,238	1,318,144
Series 2019-4, Class A1, 2.642%, 11/25/2059 (C)	1,718,549	1,758,400
Series 2019-INV1, Class A1, 3.402%, 12/25/2059 (C)(F)	520,868	526,149
Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (C)(F)	718,455	738,022
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (C)(F)	426,721	438,282
Series 2020-1, Class A1, 2.417%, 01/25/2060 (C)	1,958,940	1,995,451
Series 2020-2, Class A1, 2.226%, 05/25/2060 (C)(F)	967,232	986,217
Series 2020-5, Class A1, 1.218%, 05/25/2065 (C)	279,689	280,081
Visio Trust		
Series 2019-1, Class A1, 3.572%, 06/25/2054 (C)(F)	396,996	402,154
Series 2020-1R, Class A1, 1.312%, 11/25/2055 (C)	748,496	749,664
		38,488,965
U.S. Government Agency – 4.0%		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	2,187,827	2,332,287
Series 343, Class F4 (1 month LIBOR + 0.350%), 2.852%, 10/15/2037 (B)	446,236	449,132
Series 4205, Class PA, 1.750%, 05/15/2043	549,852	567,299
Series 4426, Class QC, 1.750%, 07/15/2037	952,312	985,491
Series 4705, Class A, 4.500%, 09/15/2042	478,019	492,339
Series 4742, Class PA, 3.000%, 10/15/2047	2,758,846	2,888,634
Series 4763, Class CA, 3.000%, 09/15/2038	282,634	305,930
Series 4767, Class KA, 3.000%, 03/15/2048	882,029	954,061

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 4786, Class DP, 4.500%, 07/15/2042	\$ 38,158	\$ 38,167
Series 4846, Class PF (1 month LIBOR + 0.350%), 0.509%, 12/15/2048 (B)	222,183	222,958
Series 4880, Class DA, 3.000%, 05/15/2050	1,219,292	1,312,782
Series 4988, Class AF (1 month LIBOR + 0.350%), 0.499%, 10/15/2037 (B)	2,410,161	2,423,807
Federal National Mortgage Association		
Series 2012-151, Class NX, 1.500%, 01/25/2043	707,450	730,801
Series 2013-11, Class AP, 1.500%, 01/25/2043	1,894,141	1,937,211
Series 2013-30, Class CA, 1.500%, 04/25/2043	282,052	288,376
Series 2013-43, Class BP, 1.750%, 05/25/2043	773,197	804,301
Series 2014-73, Class MA, 2.500%, 11/25/2044	479,175	510,313
Series 2015-84, Class PA, 1.700%, 08/25/2033	2,396,113	2,480,595
Series 2016-48, Class MA, 2.000%, 06/25/2038	2,495,376	2,610,275
Series 2016-57, Class PC, 1.750%, 06/25/2046	4,544,648	4,734,320
Series 2017-13, Class PA, 3.000%, 08/25/2046	1,006,294	1,062,092
Series 2017-42, Class H, 3.000%, 11/25/2043	572,536	592,333
Series 2017-M7, Class A2, 2.961%, 02/25/2027 (F)	333,000	372,033
Series 2018-14, Class KC, 3.000%, 03/25/2048	1,526,403	1,644,620
Series 2018-15, Class AB, 3.000%, 03/25/2048	350,002	378,304
Series 2018-8, Class KL, 2.500%, 03/25/2047	1,151,351	1,202,623
Series 2019-25, Class PA, 3.000%, 05/25/2048	1,508,649	1,629,317
Series 2019-35, Class A, 3.000%, 07/25/2049	680,596	722,486
Series 414, Class A35, 3.500%, 10/25/2042	2,246,384	2,392,503
Government National		
Mortgage Association		
Series 2012-141, Class WA, 4.537%, 11/16/2041 (F)	271,251	304,203
Series 2017-167, Class BQ, 2.500%, 08/20/2044	1,036,425	1,075,318
Series 2018-11, Class PC, 2.750%, 12/20/2047	1,564,782	1,631,696
Series 2019-132, Class NA, 3.500%, 09/20/2049	923,113	972,003
Series 2019-31, Class JC, 3.500%, 03/20/2049	731,151	773,820
		41,822,430
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$77,388,435)		\$ 80,311,395

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES – 10.2%		
AmeriCredit Automobile		
Receivables Trust		
Series 2020-1, Class A2A 1.100%, 03/20/2023	\$ 140,665	\$ 141,063
Series 2020-2, Class A2A 0.600%, 12/18/2023	1,520,454	1,523,058
Series 2020-3, Class A3 0.530%, 06/18/2025	905,000	907,083
Avis Budget Rental Car Funding		
AESOP LLC		
Series 2017-1A, Class A 3.070%, 09/20/2023 (C)	637,000	657,845
Series 2019-3A, Class A 2.360%, 03/20/2026 (C)	678,000	706,900
Series 2020-2A, Class A 2.020%, 02/20/2027 (C)	1,508,000	1,536,256
BA Credit Card Trust		
Series 2020-A1, Class A1 0.340%, 05/15/2026	915,000	916,109
Capital One Multi-Asset Execution Trust		
Series 2016-A2, Class A2 (1 month LIBOR + 0.630%) 0.789%, 02/15/2024 (B)	1,432,000	1,434,389
Series 2016-A7, Class A7 (1 month LIBOR + 0.510%) 0.669%, 09/16/2024 (B)	855,000	858,555
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month LIBOR + 1.650%) 1.798%, 11/26/2046 (B)(C)	582,921	591,525
Series 2018-A, Class A2 4.130%, 12/26/2047 (C)	373,775	396,483
Series 2019-A, Class A2 3.280%, 12/28/2048 (C)	640,927	670,983
Ford Credit Auto Lease Trust		
Series 2020-B, Class A3 0.620%, 08/15/2023	1,856,000	1,863,829
Ford Credit Auto Owner Trust		
Series 2018-1, Class A 3.190%, 07/15/2031 (C)	1,589,000	1,746,100
Series 2018-2, Class A 3.470%, 01/15/2030 (C)	1,802,000	1,932,278
Series 2019-1, Class A 3.520%, 07/15/2030 (C)	2,218,000	2,418,971
Series 2020-1, Class A 2.040%, 08/15/2031 (C)	2,250,000	2,371,986
Series 2020-2, Class A 1.060%, 04/15/2033 (C)	2,456,000	2,479,526
Series 2020-A, Class A3 1.040%, 08/15/2024	838,000	848,186
Ford Credit Floorplan Master		
Owner Trust		
Series 2020-1, Class A1 0.700%, 09/15/2025	2,480,000	2,497,545
Series 2020-2, Class A 1.060%, 09/15/2027	3,529,000	3,580,025
GM Financial Automobile Leasing Trust		
Series 2020-2, Class A4 1.010%, 07/22/2024	190,000	192,546
GMF Floorplan Owner Revolving Trust		
Series 2020-2, Class A 0.690%, 10/15/2025 (C)	764,000	768,217
Navient Private Education Loan Trust		
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%) 2.309%, 12/15/2045 (B)(C)	457,012	467,812

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Navient Private Education Loan Trust (continued)		
Series 2018-BA, Class A2A 3.610%, 12/15/2059 (C)	\$ 389,637	\$ 406,222
Series 2020-IA, Class A1A 1.330%, 04/15/2069 (C)	3,094,000	3,097,997
Navient Private Education Refi Loan Trust		
Series 2018-A, Class A2 3.190%, 02/18/2042 (C)	71,883	73,308
Series 2018-CA, Class A2 3.520%, 06/16/2042 (C)	193,041	196,826
Series 2018-DA, Class A2A 4.000%, 12/15/2059 (C)	1,857,219	1,969,126
Series 2019-CA, Class A2 3.130%, 02/15/2068 (C)	1,289,000	1,328,041
Series 2019-D, Class A2A 3.010%, 12/15/2059 (C)	1,915,000	2,002,706
Series 2019-D, Class A2B (1 month LIBOR + 1.050%) 1.209%, 12/15/2059 (B)(C)	766,000	770,073
Series 2019-FA, Class A2 2.600%, 08/15/2068 (C)	2,003,000	2,068,766
Series 2019-GA, Class A 2.400%, 10/15/2068 (C)	875,634	896,616
Series 2020-A, Class A2A 2.460%, 11/15/2068 (C)	1,243,000	1,301,300
Series 2020-A, Class A2B (1 month LIBOR + 0.900%) 1.059%, 11/15/2068 (B)(C)	895,000	896,031
Series 2020-BA, Class A2 2.120%, 01/15/2069 (C)	799,000	820,498
Series 2020-DA, Class A 1.690%, 05/15/2069 (C)	651,162	663,495
Series 2020-EA, Class A 1.690%, 05/15/2069 (C)	200,616	204,768
Series 2020-FA, Class A 1.220%, 07/15/2069 (C)	351,698	355,144
Series 2020-GA, Class A 1.170%, 09/16/2069 (C)	1,674,435	1,687,033
Series 2020-HA, Class A 1.310%, 01/15/2069 (C)	1,553,000	1,568,797
Navient Student Loan Trust		
Series 2016-3A, Class A2 (1 month LIBOR + 0.850%) 1.000%, 06/25/2065 (B)(C)	7,048	7,049
Series 2018-EA, Class A2 4.000%, 12/15/2059 (C)	777,300	804,903
Series 2019-BA, Class A2A 3.390%, 12/15/2059 (C)	1,568,000	1,643,456
Series 2020-2A, Class A1A 1.320%, 08/26/2069 (C)	1,652,946	1,655,494
Series 2020-2A, Class A1B (1 month LIBOR + 0.900%) 1.048%, 08/26/2069 (B)(C)	908,629	913,379
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (3 month LIBOR + 0.180%) 0.395%, 10/27/2036 (B)	1,176,324	1,157,031
Series 2004-4, Class A5 (3 month LIBOR + 0.160%) 0.375%, 01/25/2037 (B)	1,224,639	1,212,261
Series 2005-1, Class A5 (3 month LIBOR + 0.110%) 0.325%, 10/25/2033 (B)	3,907,204	3,806,237

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Nelnet Student Loan Trust (continued)		
Series 2005-2, Class A5 (3 month LIBOR + 0.100%) 0.336%, 03/23/2037 (B)	\$ 4,549,790	\$ 4,412,709
Series 2005-3, Class A5 (3 month LIBOR + 0.120%) 0.356%, 12/24/2035 (B)	2,798,269	2,755,415
Series 2005-4, Class A4 (3 month LIBOR + 0.180%) 0.416%, 03/22/2032 (B)	605,460	575,377
Santander Drive Auto Receivables Trust		
Series 2020-1, Class A3 2.030%, 02/15/2024	383,000	388,266
Series 2020-2, Class A2A 0.620%, 05/15/2023	1,400,170	1,401,316
Series 2020-3, Class A3 0.520%, 07/15/2024	681,000	682,662
Series 2020-4, Class A3 0.480%, 07/15/2024	621,000	622,847
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (C)	2,253,000	2,395,207
SLC Student Loan Trust		
Series 2008-1, Class A4A (3 month LIBOR + 1.600%) 1.817%, 12/15/2032 (B)	558,059	569,644
SLM Student Loan Trust		
Series 2003-1, Class A5C (3 month LIBOR + 0.750%) 0.967%, 12/15/2032 (B)(C)	726,182	690,940
Series 2007-2, Class A4 (3 month LIBOR + 0.060%) 0.275%, 07/25/2022 (B)	2,348,009	2,261,107
Series 2010-1, Class A (1 month LIBOR + 0.400%) 0.548%, 03/25/2025 (B)	860,628	837,568
Series 2012-1, Class A3 (1 month LIBOR + 0.950%) 1.098%, 09/25/2028 (B)	2,107,823	2,051,051
Series 2012-2, Class A (1 month LIBOR + 0.700%) 0.850%, 01/25/2029 (B)	1,802,184	1,718,586
Series 2012-6, Class A3 (1 month LIBOR + 0.750%) 0.898%, 05/26/2026 (B)	1,155,088	1,138,749
SMB Private Education Loan Trust		
Series 2015-B, Class A2B (1 month LIBOR + 1.200%) 1.359%, 07/15/2027 (B)(C)	623,337	624,679
Series 2016-A, Class A2A 2.700%, 05/15/2031 (C)	1,171,221	1,210,726
Series 2016-B, Class A2A 2.430%, 02/17/2032 (C)	175,388	180,308
Series 2016-C, Class A2B (1 month LIBOR + 1.100%) 1.259%, 09/15/2034 (B)(C)	597,978	602,594
Series 2018-C, Class A2A 3.630%, 11/15/2035 (C)	241,384	261,266
Series 2020-B, Class A1A 1.290%, 07/15/2053 (C)	1,830,018	1,836,266
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (C)	1,673,000	1,690,901
Series 2020-PTB, Class A2A 1.600%, 09/15/2054 (C)	4,362,000	4,402,741
SoFi Professional Loan Program LLC		
Series 2016-A, Class A2 2.760%, 12/26/2036 (C)	314,434	319,400

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
SoFi Professional Loan Program LLC (continued)		
Series 2016-E, Class A1 (1 month LIBOR + 0.850%) 0.998%, 07/25/2039 (B)(C)	\$ 97,536	\$ 97,427
Series 2017-A, Class A1 (1 month LIBOR + 0.700%) 0.848%, 03/26/2040 (B)(C)	121,079	121,078
Series 2017-D, Class A2FX 2.650%, 09/25/2040 (C)	80,401	82,836
Series 2017-E, Class A1 (1 month LIBOR + 0.500%) 0.648%, 11/26/2040 (B)(C)	64,269	64,204
Series 2017-E, Class A2B 2.720%, 11/26/2040 (C)	1,659,449	1,688,185
Series 2018-A, Class A2B 2.950%, 02/25/2042 (C)	496,626	507,004
Series 2020-A, Class A2FX 2.540%, 05/15/2046 (C)	2,035,000	2,102,721
Series 2020-C, Class AFX 1.950%, 02/15/2046 (C)	1,373,105	1,402,572
Triton Container Finance VIII LLC Series 2020-1A, Class A 2.110%, 09/20/2045 (C)	773,212	782,176
Verizon Owner Trust Series 2019-C, Class A1A 1.940%, 04/22/2024	503,000	513,779
Series 2020-A, Class A1A 1.850%, 07/22/2024	1,864,000	1,908,686
Series 2020-C, Class A 0.410%, 04/21/2025	721,000	722,335
TOTAL ASSET BACKED SECURITIES (Cost \$105,230,277)		\$ 106,637,155
SHORT-TERM INVESTMENTS – 3.1%		
Short-term funds – 3.1%		
John Hancock Collateral Trust, 0.1386% (G)(H)	234,172	2,343,146
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (G)	30,074,800	30,074,800
TOTAL SHORT-TERM INVESTMENTS (Cost \$32,418,156)		\$ 32,417,946
Total Investments (Core Bond Trust) (Cost \$1,106,176,921) – 108.7%		\$ 1,135,549,419
Other assets and liabilities, net – (8.7%)		(90,672,309)
TOTAL NET ASSETS – 100.0%		\$ 1,044,877,110

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	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)	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 \$135,358,196 or 13.0% of the fund's net assets as of 12-31-20.
(D)	All or a portion of this security is on loan as of 12-31-20.
(E)	Non-income producing - Issuer is in default.

Core Bond Trust (continued)

- (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 12-31-20.
- (H) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

High Yield Trust

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS – 0.7%		
Argentina – 0.4%		
Provincia de Buenos Aires 7.875%, 06/15/2027 (A)	\$ 680,000	\$ 277,107
Republic of Argentina 1.000%, 07/09/2029 (0.125% to 7-9-21, then 0.500% to 7-9-23, then 0.750% to 7-9-27, then 1.750% thereafter), 07/09/2030 (B)	59,073	25,549
(0.125% to 7-9-21, then 1.125% to 7-9-22, then 1.500% to 7-9-23, then 3.625% to 7-9-24, then 4.125% to 7-9-27, then 4.750% to 7-9-28, then 5.000% thereafter), 07/09/2035	598,627	242,444
	526,571	192,198
		737,298
Brazil – 0.3%		
Federative Republic of Brazil 10.000%, 01/01/2023 to 01/01/2027	BRL 2,808,000	601,795
Indonesia – 0.0%		
Republic of Indonesia 8.375%, 03/15/2034	IDR 74,000,000	6,134
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$2,184,353)		\$ 1,345,227
CORPORATE BONDS – 82.9%		
Communication services – 12.9%		
Allen Media LLC 10.500%, 02/15/2028 (C)	\$ 810,000	840,375
Altice France Holding SA 10.500%, 05/15/2027 (C)	240,000	269,400
Altice France SA 7.375%, 05/01/2026 (C)	2,220,000	2,336,550
Arches Buyer, Inc. 4.250%, 06/01/2028 (C)	340,000	344,318
6.125%, 12/01/2028 (C)	120,000	123,924
CCO Holdings LLC 4.250%, 02/01/2031 (C)	130,000	137,002
4.500%, 08/15/2030 to 05/01/2032 (C)	1,440,000	1,533,505
5.125%, 05/01/2027 (C)	1,060,000	1,124,861
CenturyLink, Inc. 5.625%, 04/01/2025	250,000	269,688
Charter Communications Operating LLC 6.484%, 10/23/2045	450,000	637,643
Cogent Communications Group, Inc. 5.375%, 03/01/2022 (C)	300,000	308,625
CSC Holdings LLC 4.125%, 12/01/2030 (C)	490,000	512,344
6.500%, 02/01/2029 (C)	800,000	903,240
DISH DBS Corp. 5.875%, 11/15/2024	500,000	524,268
7.750%, 07/01/2026	1,530,000	1,712,804
Frontier Communications Corp. 6.750%, 05/01/2029 (C)	450,000	481,500
iHeartCommunications, Inc. 4.750%, 01/15/2028 (C)	580,000	597,400
5.250%, 08/15/2027 (C)	660,000	691,350

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Intelsat Jackson Holdings SA 8.000%, 02/15/2024 (A)(B)(C)	\$ 560,000	\$ 573,300
Lions Gate Capital Holdings LLC 5.875%, 11/01/2024 (C)	450,000	456,750
Match Group Holdings II LLC 4.625%, 06/01/2028 (C)	610,000	639,356
5.000%, 12/15/2027 (C)	80,000	85,027
Netflix, Inc. 4.875%, 06/15/2030 (C)	150,000	172,500
5.375%, 11/15/2029 (C)	540,000	636,525
6.375%, 05/15/2029	700,000	864,500
Sprint Capital Corp. 8.750%, 03/15/2032	265,000	419,594
Sprint Communications, Inc. 11.500%, 11/15/2021	470,000	509,950
Sprint Corp. 7.625%, 02/15/2025	510,000	609,876
7.875%, 09/15/2023	2,170,000	2,512,426
Switch, Ltd. 3.750%, 09/15/2028 (C)	520,000	527,800
TEGNA, Inc. 5.000%, 09/15/2029	410,000	433,131
Time Warner Cable LLC 7.300%, 07/01/2038	440,000	651,335
Univision Communications, Inc. 5.125%, 02/15/2025 (C)	290,000	292,175
9.500%, 05/01/2025 (C)	580,000	645,250
UPC Holding BV 5.500%, 01/15/2028 (C)	430,000	453,650
Virgin Media Secured Finance PLC 5.500%, 08/15/2026 to 05/15/2029 (C)	1,010,000	1,063,988
Virgin Media Vendor Financing Notes IV DAC 5.000%, 07/15/2028 (C)	470,000	488,800
		<u>25,384,730</u>
Consumer discretionary – 14.9%		
Academy, Ltd. 6.000%, 11/15/2027 (C)	250,000	261,875
American Axle & Manufacturing, Inc. 6.500%, 04/01/2027 (B)	621,000	653,603
American News Company LLC (8.500% Cash or 10.000% PIK) 8.500%, 09/01/2026 (C)	939,958	1,059,803
Boyne USA, Inc. 7.250%, 05/01/2025 (C)	960,000	1,006,800
Caesars Entertainment, Inc. 6.250%, 07/01/2025 (C)	360,000	383,400
Carriage Services, Inc. 6.625%, 06/01/2026 (C)	640,000	684,000
Century Communities, Inc. 5.875%, 07/15/2025	1,040,000	1,081,600
Empire Communities Corp. 7.000%, 12/15/2025 (C)	650,000	685,009
ESH Hospitality, Inc. 5.250%, 05/01/2025 (C)	560,000	574,000
Fontainebleau Las Vegas Holdings LLC 11.000%, 06/15/2015 (A)(C)	3,600,425	360
Ford Motor Company 9.000%, 04/22/2025	670,000	823,330
Ford Motor Credit Company LLC 3.087%, 01/09/2023	900,000	915,701
3.096%, 05/04/2023	710,000	717,320
4.000%, 11/13/2030	610,000	641,677
5.125%, 06/16/2025	460,000	500,158

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Golden Nugget, Inc. 6.750%, 10/15/2024 (C)	\$ 740,000	\$ 734,687
Hilton Domestic Operating Company, Inc. 5.375%, 05/01/2025 (C)	120,000	127,500
Installed Building Products, Inc. 5.750%, 02/01/2028 (C)	410,000	436,650
International Game Technology PLC 5.250%, 01/15/2029 (C)	660,000	711,150
IRB Holding Corp. 7.000%, 06/15/2025 (C)	340,000	371,450
Ken Garff Automotive LLC 4.875%, 09/15/2028 (C)	860,000	894,400
L Brands, Inc. 5.250%, 02/01/2028	1,020,000	1,063,350
6.625%, 10/01/2030 (C)	180,000	200,250
6.875%, 07/01/2025 (C)	260,000	282,303
7.500%, 06/15/2029	160,000	178,000
9.375%, 07/01/2025 (C)	340,000	418,200
MDC Holdings, Inc. 6.000%, 01/15/2043	270,000	361,947
Melco Resorts Finance, Ltd. 5.375%, 12/04/2029 (C)	340,000	352,954
Michaels Stores, Inc. 8.000%, 07/15/2027 (C)	310,000	333,250
Mohegan Gaming & Entertainment 7.875%, 10/15/2024 (B)(C)	510,000	532,313
NCL Corp., Ltd. 3.625%, 12/15/2024 (C)	640,000	608,000
5.875%, 03/15/2026 (C)	300,000	316,125
10.250%, 02/01/2026 (C)	670,000	783,900
NCL Corp., Ltd. 12.250%, 05/15/2024 (C)	730,000	876,000
Peninsula Pacific Entertainment LLC 8.500%, 11/15/2027 (C)	440,000	470,800
Sands China, Ltd. 5.400%, 08/08/2028	200,000	234,032
Scientific Games International, Inc. 7.000%, 05/15/2028 (C)	630,000	677,382
Service Corp. International 7.500%, 04/01/2027 (B)	480,000	584,400
Silversea Cruise Finance, Ltd. 7.250%, 02/01/2025 (C)	822,000	850,770
Sizzling Platter LLC 8.500%, 11/28/2025 (C)	430,000	447,286
Speedway Motorsports LLC 4.875%, 11/01/2027 (C)	320,000	316,800
Sugarhouse HSP Gaming Prop Mezz LP 5.875%, 05/15/2025 (C)	270,000	261,225
The New Home Company, Inc. 7.250%, 10/15/2025 (C)	350,000	359,447
TopBuild Corp. 5.625%, 05/01/2026 (C)	440,000	455,950
Viking Cruises, Ltd. 5.875%, 09/15/2027 (C)	390,000	381,412
13.000%, 05/15/2025 (C)	910,000	1,087,450
VOC Escrow, Ltd. 5.000%, 02/15/2028 (C)	1,525,000	1,513,563
WW International, Inc. 8.625%, 12/01/2025 (B)(C)	650,000	676,650
Wynn Macau, Ltd. 5.125%, 12/15/2029 (C)	260,000	265,525
5.625%, 08/26/2028 (C)	550,000	576,430

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Wynn Resorts Finance LLC 7.750%, 04/15/2025 (C)	\$ 480,000	\$ 520,200
		29,250,387
Consumer staples – 1.6%		
99 Escrow Issuer, Inc. 7.500%, 01/15/2026 (C)	100,000	99,375
Kraft Heinz Foods Company 5.200%, 07/15/2045	450,000	534,316
5.500%, 06/01/2050 (C)	470,000	591,162
Lamb Weston Holdings, Inc. 4.875%, 11/01/2026 (C)	400,000	418,120
Sally Holdings LLC 5.625%, 12/01/2025	610,000	626,775
Simmons Foods, Inc. 5.750%, 11/01/2024 (C)	790,000	806,788
		3,076,536
Energy – 11.3%		
Antero Midstream Partners LP 5.375%, 09/15/2024	290,000	282,750
Apache Corp. 5.100%, 09/01/2040	330,000	353,925
7.750%, 12/15/2029	310,000	359,600
Berry Petroleum Company LLC 7.000%, 02/15/2026 (C)	1,120,000	952,000
Blue Racer Midstream LLC 6.625%, 07/15/2026 (C)	670,000	675,025
7.625%, 12/15/2025 (C)	560,000	596,400
Cenovus Energy, Inc. 5.375%, 07/15/2025	290,000	326,900
5.400%, 06/15/2047	50,000	58,611
6.750%, 11/15/2039	130,000	171,676
Cheniere Energy Partners LP 4.500%, 10/01/2029	280,000	296,178
CNX Midstream Partners LP 6.500%, 03/15/2026 (C)	300,000	305,250
Comstock Resources, Inc. 7.500%, 05/15/2025 (C)	420,000	425,250
9.750%, 08/15/2026	450,000	482,625
Continental Resources, Inc. 3.800%, 06/01/2024	210,000	216,300
4.375%, 01/15/2028	440,000	448,800
5.750%, 01/15/2031 (C)	710,000	788,086
DCP Midstream Operating LP 6.450%, 11/03/2036 (C)	280,000	299,600
6.750%, 09/15/2037 (C)	590,000	637,200
Endeavor Energy Resources LP 5.500%, 01/30/2026 (C)	140,000	143,661
5.750%, 01/30/2028 (C)	150,000	161,805
6.625%, 07/15/2025 (C)	320,000	342,400
EnLink Midstream LLC 5.625%, 01/15/2028 (C)	280,000	286,016
EQM Midstream Partners LP 4.000%, 08/01/2024	120,000	123,626
5.500%, 07/15/2028	560,000	611,996
6.000%, 07/01/2025 (C)	240,000	262,800
6.500%, 07/01/2027 (C)	220,000	247,728
6.500%, 07/15/2048	240,000	249,000
EQT Corp. 3.900%, 10/01/2027	220,000	218,559
5.000%, 01/15/2029	590,000	622,049
7.875%, 02/01/2025	640,000	728,800
MEG Energy Corp. 7.000%, 03/31/2024 (C)	228,000	230,280
7.125%, 02/01/2027 (C)	890,000	918,925

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Murphy Oil Corp. 5.750%, 08/15/2025	\$ 550,000	\$ 547,250
NGPL PipeCo LLC 7.768%, 12/15/2037 (C)	500,000	675,299
Occidental Petroleum Corp. 2.700%, 02/15/2023	184,000	183,825
2.900%, 08/15/2024	740,000	712,250
6.125%, 01/01/2031	330,000	353,166
8.875%, 07/15/2030	490,000	575,138
Occidental Petroleum Corp. (3 month LIBOR + 1.450%) 1.671%, 08/15/2022 (D)	130,000	127,400
PBF Holding Company LLC 9.250%, 05/15/2025 (C)	210,000	205,947
Petrobras Global Finance BV 5.750%, 02/01/2029	100,000	116,600
6.850%, 06/05/2115 (B)	410,000	511,537
Range Resources Corp. 5.000%, 03/15/2023	203,000	197,925
9.250%, 02/01/2026	520,000	543,400
Tallgrass Energy Partners LP 6.000%, 12/31/2030 (C)	730,000	753,039
Targa Resources Partners LP 4.875%, 02/01/2031 (C)	570,000	618,450
The Williams Companies, Inc. 7.500%, 01/15/2031	780,000	1,059,790
8.750%, 03/15/2032	120,000	175,448
Vesta Energy Corp. 8.125%, 07/24/2023 (C)	CAD 490,000	153,979
Western Midstream Operating LP 3.950%, 06/01/2025	\$ 110,000	112,200
4.100%, 02/01/2025	530,000	546,202
5.500%, 08/15/2048	580,000	569,322
WPX Energy, Inc. 8.250%, 08/01/2023	520,000	591,822
		22,153,810
Financials – 7.2%		
Allied Universal Holdco LLC 6.625%, 07/15/2026 (C)	710,000	757,073
Banco Mercantil del Norte SA (6.875% to 7-6-22, then 5 Year CMT + 5.035%) 07/06/2022 (C)(E)	200,000	210,750
Bank of America Corp. (5.875% to 3-15-28, then 3 month LIBOR + 2.931%) 03/15/2028 (E)	250,000	282,500
Barclays PLC (8.000% to 6-15-24, then 5 Year CMT + 5.672%) 06/15/2024 (E)	380,000	423,700
BNP Paribas SA (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%) 08/19/2025 (C)(E)	390,000	451,179
Citigroup, Inc. (5.950% to 5-15-25, then 3 month LIBOR + 3.905%) 05/15/2025 (E)	220,000	240,350
Citigroup, Inc. (6.300% to 5-15-24, then 3 month LIBOR + 3.423%) 05/15/2024 (E)	410,000	444,440
Credit Agricole SA (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.185%) 12/23/2025 (C)(E)	340,000	413,100
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (C)(E)	430,000	478,913

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Credit Suisse Group AG (7.250% to 9-12-25, then 5 Year CMT + 4.332% 09/12/2025 (C)(E))	\$ 200,000	\$ 225,047
DAE Funding LLC		
5.000%, 08/01/2024 (C)	10,000	10,250
5.750%, 11/15/2023 (C)	1,170,000	1,202,175
Donnelley Financial Solutions, Inc.		
8.250%, 10/15/2024	590,000	625,400
FirstCash, Inc.		
4.625%, 09/01/2028 (C)	530,000	546,563
Highlands Holdings Bond Issuer, Ltd. (7.625% Cash or 8.375% PIK)		
7.625%, 10/15/2025 (C)	620,000	661,850
HSBC Holdings PLC (6.375% to 3-30-25, then 5 Year ICE Swap Rate + 4.368%) 03/30/2025 (E)	200,000	218,580
Ladder Capital Finance Holdings LLLP		
4.250%, 02/01/2027 (C)	460,000	451,950
LD Holdings Group LLC		
6.500%, 11/01/2025 (C)	700,000	736,750
NatWest Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.598%) 08/15/2021 (E)	1,180,000	1,224,734
NMI Holdings, Inc.		
7.375%, 06/01/2025 (C)	650,000	728,000
Quicken Loans LLC		
3.875%, 03/01/2031 (C)	730,000	757,375
5.250%, 01/15/2028 (C)	530,000	565,775
Starwood Property Trust, Inc.		
5.500%, 11/01/2023 (C)	310,000	323,950
StoneX Group, Inc.		
8.625%, 06/15/2025 (C)	270,000	293,625
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (C)(E)	550,000	602,938
UniCredit SpA (5.459% to 6-30-30, then 5 Year CMT + 4.750%) 06/30/2035 (C)	720,000	792,334
UniCredit SpA (7.296% to 4-2-29, then 5 Year ICE Swap Rate + 4.914%) 04/02/2034 (C)	490,000	592,660
		14,261,961
Health care – 10.1%		
AdaptHealth LLC		
4.625%, 08/01/2029 (C)	460,000	472,650
Air Methods Corp.		
8.000%, 05/15/2025 (C)	750,000	633,750
Akumin, Inc.		
7.000%, 11/01/2025 (C)	720,000	756,000
Bausch Health Americas, Inc.		
8.500%, 01/31/2027 (C)	520,000	578,328
9.250%, 04/01/2026 (C)	310,000	345,650
Bausch Health Companies, Inc.		
5.000%, 02/15/2029 (C)	870,000	894,534
6.250%, 02/15/2029 (C)	1,850,000	2,009,563
9.000%, 12/15/2025 (C)	800,000	884,864
Centene Corp.		
4.625%, 12/15/2029	900,000	999,189
5.375%, 06/01/2026 (C)	560,000	590,638
Cheplapharm Arzneimittel GmbH		
5.500%, 01/15/2028 (C)	680,000	710,600
Community Health Systems, Inc.		
6.625%, 02/15/2025 (C)	810,000	852,509
8.000%, 03/15/2026 (C)	140,000	150,850

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Endo DAC		
9.500%, 07/31/2027 (C)	\$ 530,000	\$ 591,613
Global Medical Response, Inc.		
6.500%, 10/01/2025 (C)	370,000	386,650
HCA, Inc.		
5.625%, 09/01/2028	800,000	945,000
HLF Financing Sarl LLC		
7.250%, 08/15/2026 (C)	470,000	498,639
Legacy LifePoint Health LLC		
4.375%, 02/15/2027 (C)	450,000	456,750
MPH Acquisition Holdings LLC		
5.750%, 11/01/2028 (B)(C)	610,000	596,275
Par Pharmaceutical, Inc.		
7.500%, 04/01/2027 (C)	620,000	672,700
Radiology Partners, Inc.		
9.250%, 02/01/2028 (C)	460,000	517,638
RegionalCare Hospital Partners Holdings, Inc.		
9.750%, 12/01/2026 (C)	400,000	441,000
Syneos Health, Inc.		
3.625%, 01/15/2029 (C)	550,000	551,521
Tenet Healthcare Corp.		
4.625%, 06/15/2028 (C)	440,000	460,900
6.750%, 06/15/2023	850,000	914,430
7.500%, 04/01/2025 (C)	560,000	611,800
Teva Pharmaceutical Finance Company LLC		
6.150%, 02/01/2036 (B)	340,000	361,250
Teva Pharmaceutical Finance Netherlands III BV		
7.125%, 01/31/2025	530,000	585,809
The Providence Service Corp.		
5.875%, 11/15/2025 (C)	640,000	676,800
US Renal Care, Inc.		
10.625%, 07/15/2027 (C)	650,000	718,250
		19,866,150
Industrials – 10.0%		
Anagram International, Inc. (5.000% Cash and 5.000% PIK) 10.000%, 08/15/2026 (C)	75,296	74,167
ATS Automation Tooling Systems, Inc.		
4.125%, 12/15/2028 (C)	460,000	468,050
Builders FirstSource, Inc.		
5.000%, 03/01/2030 (C)	190,000	204,250
6.750%, 06/01/2027 (C)	110,000	119,318
BWX Technologies, Inc.		
5.375%, 07/15/2026 (C)	410,000	425,888
Clark Equipment Company		
5.875%, 06/01/2025 (C)	260,000	274,300
Cornerstone Building Brands, Inc.		
6.125%, 01/15/2029 (C)	430,000	456,875
CP Atlas Buyer, Inc.		
7.000%, 12/01/2028 (C)	220,000	228,250
Delta Air Lines, Inc.		
2.900%, 10/28/2024	170,000	167,698
4.750%, 10/20/2028 (C)	470,000	512,821
7.375%, 01/15/2026	160,000	182,731
FXI Holdings, Inc.		
7.875%, 11/01/2024 (C)	359,000	361,693
GFL Environmental, Inc.		
3.750%, 08/01/2025 (C)	540,000	550,800
8.500%, 05/01/2027 (C)	570,000	632,700
Global Aircraft Leasing Company, Ltd. (6.500% Cash or 7.250% PIK)		
6.500%, 09/15/2024 (C)	2,124,312	1,895,948

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
H&E Equipment Services, Inc. 3.875%, 12/15/2028 (C)	\$ 740,000	\$ 745,572
Mileage Plus Holdings LLC 6.500%, 06/20/2027 (C)	500,000	537,500
Park Aerospace Holdings, Ltd. 4.500%, 03/15/2023 (C)	830,000	869,721
5.250%, 08/15/2022 (C)	16,000	16,792
Park-Ohio Industries, Inc. 6.625%, 04/15/2027	120,000	124,200
PM General Purchaser LLC 9.500%, 10/01/2028 (C)	680,000	753,100
Prime Security Services Borrower LLC 3.375%, 08/31/2027 (C)	390,000	387,075
5.750%, 04/15/2026 (C)	470,000	514,650
6.250%, 01/15/2028 (C)	920,000	987,703
Sensata Technologies, Inc. 4.375%, 02/15/2030 (C)	340,000	365,925
Signature Aviation US Holdings, Inc. 5.375%, 05/01/2026 (C)	610,000	625,250
Spirit Loyalty Cayman, Ltd. 8.000%, 09/20/2025 (C)	910,000	1,019,200
SRM Escrow Issuer LLC 6.000%, 11/01/2028 (C)	770,000	806,063
Surgery Center Holdings, Inc. 10.000%, 04/15/2027 (B)(C)	110,000	121,550
The Boeing Company 5.150%, 05/01/2030	400,000	484,068
TransDigm, Inc. 6.250%, 03/15/2026 (C)	580,000	617,700
8.000%, 12/15/2025 (C)	200,000	221,318
United Airlines 2013-1 Class B Pass Through Trust 5.375%, 08/15/2021	260,215	260,277
United Airlines 2014-1 Class B Pass Through Trust 4.750%, 04/11/2022	70,060	70,239
United Rentals North America, Inc. 4.875%, 01/15/2028	640,000	681,600
5.250%, 01/15/2030	400,000	444,000
5.500%, 05/15/2027	280,000	299,950
Vertical US Newco, Inc. 5.250%, 07/15/2027 (C)	720,000	763,200
Waste Pro USA, Inc. 5.500%, 02/15/2026 (C)	440,000	449,900
XPO CNW, Inc. 6.700%, 05/01/2034	370,000	440,057
XPO Logistics, Inc. 6.250%, 05/01/2025 (C)	490,000	527,309
		19,689,408
Information technology – 3.9%		
Alliance Data Systems Corp. 4.750%, 12/15/2024 (C)	510,000	515,100
Black Knight InfoServ LLC 3.625%, 09/01/2028 (C)	510,000	522,113
CDK Global, Inc. 5.250%, 05/15/2029 (C)	30,000	33,238
CDW LLC 3.250%, 02/15/2029	480,000	489,456
4.250%, 04/01/2028	580,000	612,341
CommScope Technologies LLC 5.000%, 03/15/2027 (C)	180,000	178,200
CommScope, Inc. 8.250%, 03/01/2027 (C)	1,260,000	1,345,050
Dell International LLC 7.125%, 06/15/2024 (C)	360,000	373,365

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Entegris, Inc. 4.375%, 04/15/2028 (C)	\$ 430,000	\$ 457,950
Fair Isaac Corp. 4.000%, 06/15/2028 (C)	150,000	157,875
Gartner, Inc. 3.750%, 10/01/2030 (C)	750,000	787,500
ON Semiconductor Corp. 3.875%, 09/01/2028 (C)	470,000	485,275
Open Text Corp. 3.875%, 02/15/2028 (C)	250,000	259,375
Open Text Holdings, Inc. 4.125%, 02/15/2030 (C)	220,000	234,036
Shift4 Payments LLC 4.625%, 11/01/2026 (C)	680,000	707,200
Unisys Corp. 6.875%, 11/01/2027 (C)	420,000	458,850
		7,616,924
Materials – 5.7%		
ARD Finance SA (6.500% Cash or 7.250% PIK) 6.500%, 06/30/2027 (C)	660,000	704,550
Ardagh Packaging Finance PLC 5.250%, 08/15/2027 (C)	690,000	724,369
Ball Corp. 2.875%, 08/15/2030	780,000	778,050
Cascades, Inc. 5.375%, 01/15/2028 (C)	530,000	563,291
First Quantum Minerals, Ltd. 6.500%, 03/01/2024 (C)	420,000	431,550
6.875%, 03/01/2026 to 10/15/2027 (C)	1,450,000	1,531,175
7.250%, 04/01/2023 (C)	210,000	216,442
7.500%, 04/01/2025 (C)	210,000	218,663
Flex Acquisition Company, Inc. 7.875%, 07/15/2026 (C)	430,000	451,853
Freeport-McMoRan, Inc. 3.875%, 03/15/2023	160,000	166,928
4.625%, 08/01/2030	260,000	285,350
5.450%, 03/15/2043	500,000	622,500
Greif, Inc. 6.500%, 03/01/2027 (C)	840,000	888,300
Hudbay Minerals, Inc. 6.125%, 04/01/2029 (C)	290,000	312,475
7.625%, 01/15/2025 (C)	350,000	363,563
Kraton Polymers LLC 4.250%, 12/15/2025 (C)	460,000	469,246
Mercer International, Inc. 7.375%, 01/15/2025	330,000	343,411
Midwest Vanadium Pty, Ltd. 11.500%, 02/15/2018 (A)(C)	913,644	1,188
Northwest Acquisitions ULC 7.125%, 11/01/2022 (A)(C)	950,000	6,413
Olin Corp. 5.000%, 02/01/2030	420,000	447,300
Pactiv LLC 7.950%, 12/15/2025	380,000	435,100
Summit Materials LLC 5.250%, 01/15/2029 (C)	560,000	588,000
Teck Resources, Ltd. 5.200%, 03/01/2042	670,000	764,059
		11,313,776
Real estate – 4.3%		
CoreCivic, Inc. 4.625%, 05/01/2023	110,000	105,875
5.000%, 10/15/2022	250,000	250,000
Diversified Healthcare Trust 4.750%, 05/01/2024	630,000	647,067

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
Diversified Healthcare Trust (continued) 9.750%, 06/15/2025	\$ 340,000	\$ 385,900
Five Point Operating Company LP 7.875%, 11/15/2025 (C)	1,410,000	1,492,556
Forestar Group, Inc. 5.000%, 03/01/2028 (C)	630,000	650,475
8.000%, 04/15/2024 (C)	440,000	463,100
MPT Operating Partnership LP 4.625%, 08/01/2029	560,000	602,000
5.000%, 10/15/2027	200,000	212,750
Park Intermediate Holdings LLC 5.875%, 10/01/2028 (C)	390,000	415,350
Realogy Group LLC 7.625%, 06/15/2025 (C)	620,000	673,146
Service Properties Trust 5.500%, 12/15/2027	400,000	437,173
The GEO Group, Inc. 5.875%, 10/15/2024	350,000	290,500
6.000%, 04/15/2026 (B)	945,000	751,275
The Howard Hughes Corp. 5.375%, 08/01/2028 (C)	380,000	408,690
VICI Properties LP 4.125%, 08/15/2030 (C)	560,000	591,153
		8,377,010
Utilities – 1.0%		
Calpine Corp. 5.000%, 02/01/2031 (C)	490,000	512,050
NRG Energy, Inc. 3.375%, 02/15/2029 (C)	180,000	184,284
3.625%, 02/15/2031 (C)	550,000	565,840
Talen Energy Supply LLC 6.625%, 01/15/2028 (C)	410,000	428,450
10.500%, 01/15/2026 (C)	340,000	302,440
		1,993,064
TOTAL CORPORATE BONDS (Cost \$156,397,348)		\$ 162,983,756
CONVERTIBLE BONDS – 1.4%		
Communication services – 0.3%		
DISH Network Corp. 2.375%, 03/15/2024	420,000	391,411
3.375%, 08/15/2026	110,000	104,855
		496,266
Energy – 0.3%		
Cheniere Energy, Inc. 4.250%, 03/15/2045	740,000	578,140
Financials – 0.5%		
Apollo Commercial Real Estate Finance, Inc. 4.750%, 08/23/2022	500,000	476,296
Blackstone Mortgage Trust, Inc. 4.375%, 05/05/2022	480,000	479,088
		955,384
Health care – 0.1%		
Ionis Pharmaceuticals, Inc. 0.125%, 12/15/2024	280,000	285,760
Information technology – 0.1%		
Vishay Intertechnology, Inc. 2.250%, 06/15/2025	230,000	239,568

High Yield Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
Utilities – 0.1%		
NextEra Energy Partners LP 0.044%, 11/15/2025 (C)(F)	\$ 110,000	\$ 109,760
TOTAL CONVERTIBLE BONDS (Cost \$2,639,604)		\$ 2,664,878
TERM LOANS (G) – 5.6%		
Communication services – 0.5%		
Allen Media LLC, 2020 Term Loan B (3 month LIBOR + 5.500%) 5.754%, 02/10/2027	566,481	563,411
iHeartCommunications, Inc., 2020 Term Loan (1 month LIBOR + 3.000%) 3.147%, 05/01/2026	350,217	344,088
		907,499
Consumer discretionary – 1.1%		
Clarios Global LP, USD Term Loan B (1 month LIBOR + 3.500%) 3.647%, 04/30/2026	465,429	463,004
Equinox Holdings, Inc., 2020 Term Loan B2 (3 month LIBOR + 9.000%) 10.000%, 03/08/2024	378,100	376,210
Michaels Stores, Inc., 2020 Term loan B (1 month LIBOR + 3.500%) 4.250%, 10/01/2027	248,180	246,008
Petco Animal Supplies, Inc., 2017 Term Loan B (3 month LIBOR + 3.250%) 4.250%, 01/26/2023	488,717	466,793
Spencer Spirit IH LLC, Term Loan B (1 month LIBOR + 6.000%) 6.148%, 06/19/2026	605,392	600,094
		2,152,109
Energy – 0.0%		
Permian Producton Partners LLC, 2020 PIK Term Loan (1 month LIBOR + 6.000% or 2.000% PIK) 7.000%, 11/23/2025	141,235	21,185
Financials – 0.7%		
Acrisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%) 3.647%, 02/15/2027	456,550	446,944
Amerilife Holdings LLC, 2020 Term Loan (1 month LIBOR + 4.000%) 4.155%, 03/18/2027	149,271	147,032
Duff + Phelps Corp., 2020 2nd Lien Term Loan (1 month LIBOR + 8.000%) 9.000%, 04/07/2028	520,000	527,800
Jane Street Group LLC, 2020 Term Loan (3 month LIBOR + 3.000%) 3.233%, 01/31/2025	325,054	324,160
		1,445,936
Health care – 1.4%		
Eyecare Partners LLC, 2020 2nd Lien Term Loan (1 month LIBOR + 8.250%) 8.397%, 02/18/2028	350,000	318,500
Eyecare Partners LLC, 2020 Delayed Draw Term Loan (1 month LIBOR + 3.750%) 3.897%, 02/18/2027	94,595	91,958
Eyecare Partners LLC, 2020 Term Loan (1 month LIBOR + 3.750%) 3.897%, 02/18/2027	402,365	391,151
McAfee LLC, 2018 USD Term Loan B (1 month LIBOR + 3.750%) 3.898%, 09/30/2024	327,012	326,767

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Health care (continued)		
Option Care Health, Inc., Term Loan B (1 month LIBOR + 4.250%) 4.397%, 08/06/2026	\$ 603,900	\$ 602,644
Radnet Management, Inc., Reprice Term Loan (3 month LIBOR + 3.750%) 4.750%, 06/30/2023	578,955	577,218
US Renal Care, Inc., 2019 Term Loan B (1 month LIBOR + 5.000%) 5.147%, 06/26/2026	451,025	448,206
		2,756,444
Industrials – 1.4%		
Delta Air Lines, Inc., 2020 GSR Term Loan B (3 month LIBOR + 4.750%) 5.750%, 04/29/2023	1,174,100	1,190,667
JetBlue Airways Corp., Term Loan (3 month LIBOR + 5.250%) 6.250%, 06/17/2024	407,772	418,541
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 6.250%, 06/25/2027	450,000	467,721
SkyMiles IP, Ltd., 2020 SkyMiles Term Loan B (3 month LIBOR + 3.750%) 4.750%, 10/20/2027	640,000	662,618
		2,739,547
Information technology – 0.3%		
Global Tel*Link Corp., 2018 1st Lien Term Loan (1 month LIBOR + 4.250%) 4.397%, 11/29/2025	659,900	610,526
Real estate – 0.2%		
CoreCivic, Inc., 2019 Term Loan (1 month LIBOR + 4.500%) 5.500%, 12/18/2024	418,000	411,730
TOTAL TERM LOANS (Cost \$10,996,183)		\$ 11,044,976
ASSET BACKED SECURITIES – 4.4%		
Ballyrock CLO, Ltd.		
Series 2016-1A, Class ER (3 month LIBOR + 6.950%) 7.187%, 10/15/2028 (C)(D)	250,000	247,573
Benefit Street Partners CLO XI, Ltd.		
Series 2017-12A, Class C (3 month LIBOR + 3.050%) 3.287%, 10/15/2030 (C)(D)	250,000	241,492
BlueMountain CLO, Ltd.		
Series 2015-2A, Class ER (3 month LIBOR + 5.200%) 5.418%, 07/18/2027 (C)(D)	250,000	227,877
Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 8.014%, 08/20/2032 (C)(D)	300,000	301,075
Bristol Park CLO, Ltd.		
Series 2016-1A, Class ER (3 month LIBOR + 7.000%) 7.237%, 04/15/2029 (C)(D)	250,000	250,035
Carlyle US CLO, Ltd.		
Series 2017-2A, Class C (3 month LIBOR + 3.700%) 3.918%, 07/20/2031 (C)(D)	750,000	726,180
Catskill Park CLO, Ltd.		
Series 2017-1A, Class D (3 month LIBOR + 6.000%) 6.218%, 04/20/2029 (C)(D)	500,000	485,435

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Cent CLO 24, Ltd.		
Series 2015-24A, Class CR (3 month LIBOR + 3.150%) 3.387%, 10/15/2026 (C)(D)	\$ 360,000	\$ 353,952
Cook Park CLO, Ltd.		
Series 2018-1A, Class E (3 month LIBOR + 5.400%) 5.618%, 04/17/2030 (C)(D)	250,000	234,403
Cumberland Park CLO, Ltd.		
Series 2015-2A, Class ER (3 month LIBOR + 5.650%) 5.868%, 07/20/2028 (C)(D)	750,000	721,745
Greenwood Park CLO, Ltd.		
Series 2018-1A, Class D (3 month LIBOR + 2.500%) 2.737%, 04/15/2031 (C)(D)	290,000	282,347
Series 2018-1A, Class E (3 month LIBOR + 4.950%) 5.187%, 04/15/2031 (C)(D)	250,000	234,105
Greywolf CLO IV, Ltd.		
Series 2019-1A, Class C (3 month LIBOR + 3.950%) 4.168%, 04/17/2030 (C)(D)	250,000	250,010
Magnetite XII, Ltd.		
Series 2015-12A, Class ER (3 month LIBOR + 5.680%) 5.917%, 10/15/2031 (C)(D)	300,000	286,315
MKS CLO, Ltd.		
Series 2017-2A, Class D (3 month LIBOR + 2.650%) 2.868%, 01/20/2031 (C)(D)	500,000	465,218
Nasau, Ltd.		
Series 2020-1A, Class D (3 month LIBOR + 4.770%) 5.003%, 07/20/2029 (C)(D)	250,000	251,211
Neuberger Berman CLO XVIII, Ltd.		
Series 2014-18A, Class DR2 (3 month LIBOR + 5.920%) 6.129%, 10/21/2030 (C)(D)	250,000	242,111
Oaktree CLO, Ltd.		
Series 2015-1A, Class DR (3 month LIBOR + 5.200%) 5.418%, 10/20/2027 (C)(D)	250,000	227,942
Ocean Trails CLO X		
Series 2020-10A, Class D (3 month LIBOR + 4.700%) 4.894%, 10/15/2031 (C)(D)	500,000	501,664
OZLM XIX, Ltd.		
Series 2017-19A, Class C (3 month LIBOR + 3.100%) 3.337%, 11/22/2030 (C)(D)	810,000	783,957
Saranac CLO III, Ltd.		
Series 2014-3A, Class DR (3 month LIBOR + 3.250%) 3.486%, 06/22/2030 (C)(D)	576,405	534,252
Venture XVII CLO, Ltd.		
Series 2014-17A, Class DRR (3 month LIBOR + 2.820%) 3.057%, 04/15/2027 (C)(D)	350,000	329,400

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Venture XVII CLO, Ltd. (continued)		
Series 2014-17A, Class ERR (3 month LIBOR + 5.740%) 5.977%, 04/15/2027 (C)(D)	\$ 350,000	\$ 278,966
Zais CLO 16, Ltd.		
Series 2020-16A, Class D1 (3 month LIBOR + 5.480%) 5.770%, 10/20/2031 (C)(D)	250,000	250,250
TOTAL ASSET BACKED SECURITIES (Cost \$8,820,896)		\$ 8,707,515
COMMON STOCKS – 0.7%		
Communication services – 0.0%		
New Cotai, Inc., Class B (H)(I)(J)	3	0
Vertis Holdings, Inc. (I)(J)	69,391	0
		0
Consumer discretionary – 0.1%		
Party City Holdco, Inc. (J)	14,174	87,170
Energy – 0.6%		
Berry Corp.	146,822	540,291
Hercules Offshore, Inc. (I)(J)	45,689	25,462
KCAD Holdings I, Ltd. (H)(I)(J)	165,553,563	166
MWO Holdings LLC (H)(I)(J)	445	3,369
Oasis Petroleum, Inc. (J)	12,941	479,593
Southwestern Energy Company (J)	53,920	160,682
		1,209,563
TOTAL COMMON STOCKS (Cost \$10,934,124)		\$ 1,296,733
PREFERRED SECURITIES – 1.0%		
Energy – 0.3%		
MPLX LP, 6.500% (I)	16,445	534,463
Financials – 0.7%		
B. Riley Financial, Inc., 6.875%	4,175	104,918
GMAC Capital Trust I (3 month LIBOR + 5.785%), 6.007% (D)	51,072	1,381,498
		1,486,416
TOTAL PREFERRED SECURITIES (Cost \$1,843,976)		\$ 2,020,879
ESCROW CERTIFICATES – 0.0%		
Adelphia Communications Corp.		
7.750%, 01/15/2049 (I)(J)	\$ 3,000,000	0
9.875%, 03/01/2049 (I)(J)	2,050,000	0
10.250%, 11/01/2049 (I)(J)	1,025,000	0
TOTAL ESCROW CERTIFICATES (Cost \$342,202)		\$ 0
SHORT-TERM INVESTMENTS – 2.8%		
Short-term funds – 2.8%		
John Hancock Collateral Trust,		
0.1386% (K)(L)	320,664	3,208,593
State Street Institutional Treasury Plus		
Money Market Fund, Premier Class, 0.0300% (K)	2,385,757	2,385,757
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,594,558)		\$ 5,594,350
Total Investments (High Yield Trust) (Cost \$199,753,244) – 99.5%		\$ 195,658,314
Other assets and liabilities, net – 0.5%		988,944
TOTAL NET ASSETS – 100.0%		\$ 196,647,258

High Yield Trust (continued)

Currency Abbreviations

BRL	Brazilian Real
CAD	Canadian Dollar
IDR	Indonesian Rupiah

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
ICE	Intercontinental Exchange
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.
(A)	Non-income producing - Issuer is in default.
(B)	All or a portion of this security is on loan as of 12-31-20.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$122,217,700 or 62.2% of the fund's net assets as of 12-31-20.
(D)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(E)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(F)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(G)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(H)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(I)	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.
(J)	Non-income producing security.
(K)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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.

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	81	Long	Mar 2021	\$10,193,926	\$10,219,289	\$25,363
						\$25,363

[^] 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 569,749	USD 675,121	BNP	1/19/2021	\$21,165	—
MXN 1,174,325	USD 51,617	BNP	1/19/2021	7,300	—
USD 244,744	CAD 324,512	JPM	1/19/2021	—	\$(10,214)
USD 149,989	EUR 127,131	BNP	1/19/2021	—	(5,377)
				\$28,465	\$(15,591)

SWAPS

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
JPM	Occidental Petroleum Corp.	3.897%	750,000	USD	\$750,000	1.000%	Quarterly	Dec 2023	\$(81,028)	\$21,228	\$(59,800)
					\$750,000				\$(81,028)	\$21,228	\$(59,800)
Centrally cleared	Ford Motor Credit Company LLC	3.558%	513,000	USD	513,000	5.000%	Quarterly	Jun 2023	(26,726)	67,608	40,882
					\$513,000				\$(26,726)	\$67,608	\$40,882
					\$1,263,000				\$(107,754)	\$88,836	\$(18,918)

Derivatives Currency Abbreviations

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

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
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 57.0%		
U.S. Government – 23.8%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 1,335,000	\$ 1,208,384
2.250%, 08/15/2046		1,862,623
2.500%, 02/15/2045 (A)	1,204,000	1,433,136
2.500%, 02/15/2046	648,000	772,664
2.875%, 05/15/2043	1,170,000	1,476,577
3.000%, 11/15/2044 to 02/15/2048	8,215,000	10,685,534
3.125%, 08/15/2044 (A)	5,535,000	7,286,957
3.125%, 05/15/2048	3,205,000	4,293,949
3.375%, 05/15/2044	1,690,000	2,307,114
3.625%, 08/15/2043	680,000	958,747
3.750%, 11/15/2043 (A)	2,908,000	4,178,660

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Bonds (continued)		
4.375%, 11/15/2039	\$ 1,170,000	\$ 1,767,020
5.375%, 02/15/2031	3,000	4,310
U.S. Treasury Inflation Protected Securities		
0.375%, 01/15/2027	1,368,971	1,527,225
0.500%, 01/15/2028		89,728
0.625%, 01/15/2026	1,408,154	1,571,445
0.750%, 07/15/2028	337,129	391,954
0.875%, 01/15/2029	1,711,825	2,011,016
1.000%, 02/15/2048	464,600	645,957

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes		
0.250%, 06/30/2025	\$ 3,705,000	\$ 3,694,869
0.625%, 05/15/2030 to 08/15/2030	9,685,000	9,458,324
2.875%, 05/31/2025	5,065,000	5,634,615
		63,272,788
U.S. Government Agency – 33.2%		
Federal Home Loan Mortgage Corp.		
3.000%, 12/01/2046 to 04/01/2048	459,928	486,055
3.500%, 03/01/2048 to 06/01/2048	1,949,630	2,065,343
5.000%, 12/01/2034	129,916	148,295
6.500%, 04/01/2029 to 08/01/2034	8,886	10,521
7.500%, 12/01/2025 to 05/01/2028	2,439	2,748
Federal National Mortgage Association		
1.500%, TBA (B)	4,000,000	4,117,261
2.000%, TBA (B)	20,200,000	21,031,401
2.500%, 07/01/2030 to 04/01/2045	1,275,949	1,354,296
2.660%, 03/01/2027	804,344	880,987
2.720%, 03/01/2027	727,987	787,068
3.000%, TBA (B)	8,600,000	9,014,816
3.500%, 06/01/2046 to 05/01/2048	6,265,494	6,665,836
4.000%, TBA (B)	5,800,000	6,193,765
4.500%, TBA (B)	3,300,000	3,578,500
5.000%, TBA (B)	1,800,000	1,991,813
Government National Mortgage Association		
2.000%, TBA (B)	4,200,000	4,393,535
3.000%, TBA (B)	11,500,000	12,024,325
3.500%, TBA (B)	5,400,000	5,722,401
4.000%, TBA (B)	2,600,000	2,771,641
4.000%, 11/15/2040 to 02/15/2042	42,052	46,588
4.500%, TBA (B)	4,600,000	4,936,375
6.000%, 08/15/2032 to 04/15/2035	52,078	60,604
6.500%, 06/15/2028 to 02/15/2035	22,440	25,319
7.000%, 11/15/2031 to 11/15/2033	113,021	127,534
		88,437,027
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$144,867,111)		\$ 151,709,815
FOREIGN GOVERNMENT OBLIGATIONS – 2.7%		
Argentina – 0.0%		
Republic of Argentina		
1.000%, 07/09/2029	5,292	2,289
(0.125% to 7-9-21, then 1.125% to 7-9-22, then 1.500% to 7-9-23, then 3.625% to 7-9-24, then 4.125% to 7-9-27, then 4.750% to 7-9-28, then 5.000% thereafter), 07/09/2035	155,241	56,663
		58,952
Australia – 0.1%		
Commonwealth of Australia		
1.750%, 06/21/2051	AUD 460,000	336,175
Bermuda – 0.1%		
Government of Bermuda		
2.375%, 08/20/2030 (C)	\$ 200,000	209,750
Chile – 0.1%		
Republic of Chile		
2.550%, 01/27/2032	265,000	284,875
Dominican Republic – 0.2%		
Government of Dominican Republic		
6.400%, 06/05/2049 (C)	425,000	498,313

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Egypt – 0.1%		
Arab Republic of Egypt		
7.625%, 05/29/2032 (C)	\$ 210,000	\$ 237,510
Ghana – 0.1%		
Republic of Ghana		
6.375%, 02/11/2027 (C)	200,000	207,438
Hungary – 0.0%		
Republic of Hungary		
6.375%, 03/29/2021	86,000	87,142
Israel – 0.3%		
State of Israel		
3.750%, 03/31/2047	ILS 1,660,000	736,125
Macedonia – 0.1%		
Republic of Macedonia		
3.675%, 06/03/2026 (C)	EUR 265,000	362,157
Mexico – 0.4%		
Government of Mexico		
1.125%, 01/17/2030	200,000	242,738
3.771%, 05/24/2061	\$ 200,000	208,300
4.500%, 04/22/2029	200,000	234,800
4.750%, 04/27/2032 to 03/08/2044	265,000	318,486
		1,004,324
Panama – 0.1%		
Republic of Panama		
2.252%, 09/29/2032	200,000	206,000
Peru – 0.0%		
Republic of Peru		
2.392%, 01/23/2026	70,000	74,656
Qatar – 0.3%		
State of Qatar		
3.400%, 04/16/2025 (C)	400,000	441,000
3.750%, 04/16/2030 (C)	270,000	317,763
		758,763
Romania – 0.3%		
Republic of Romania		
2.625%, 12/02/2040 (C)	EUR 335,000	435,307
4.625%, 04/03/2049	317,000	522,701
		958,008
Senegal – 0.2%		
Republic of Senegal		
4.750%, 03/13/2028	200,000	260,499
6.250%, 05/23/2033	\$ 255,000	285,987
		546,486
Tunisia – 0.1%		
Banque Centrale de Tunisie		
6.750%, 10/31/2023 (C)	EUR 190,000	219,783
United Arab Emirates – 0.2%		
Government of Abu Dhabi		
2.500%, 04/16/2025 (C)	\$ 245,000	261,734
3.875%, 04/16/2050 (C)	200,000	243,800
		505,534
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$6,607,234)		\$ 7,291,991
CORPORATE BONDS – 34.9%		
Communication services – 5.1%		
AT&T, Inc.		
3.500%, 02/01/2061	145,000	144,116
3.550%, 09/15/2055 (C)	798,000	793,757
3.650%, 06/01/2051	185,000	193,365
3.650%, 09/15/2059 (C)	9,000	9,026
3.800%, 12/01/2057 (C)	116,000	120,478

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
CCO Holdings LLC		
4.250%, 02/01/2031 (C)	\$ 110,000	\$ 115,925
4.500%, 08/15/2030 (C)	60,000	63,675
Charter Communications Operating LLC		
2.300%, 02/01/2032	85,000	85,045
3.700%, 04/01/2051	30,000	31,099
4.800%, 03/01/2050	45,000	53,693
5.125%, 07/01/2049	75,000	91,395
5.750%, 04/01/2048	125,000	163,312
6.484%, 10/23/2045	365,000	517,199
6.834%, 10/23/2055	40,000	60,568
Comcast Corp.		
3.200%, 07/15/2036	55,000	62,417
3.250%, 11/01/2039	255,000	289,013
3.400%, 07/15/2046	30,000	34,439
3.750%, 04/01/2040	270,000	324,417
4.049%, 11/01/2052	45,000	57,445
4.600%, 10/15/2038	115,000	151,346
4.650%, 07/15/2042	35,000	47,354
4.750%, 03/01/2044	20,000	27,343
4.950%, 10/15/2058	35,000	53,032
Cox Communications, Inc.		
3.150%, 08/15/2024 (C)	601,000	651,509
CSC Holdings LLC		
3.375%, 02/15/2031 (C)	430,000	421,938
Discovery Communications LLC		
3.800%, 03/13/2024	80,000	87,276
3.950%, 06/15/2025	12,000	13,480
4.000%, 09/15/2055 (C)	246,000	274,827
5.300%, 05/15/2049	100,000	131,730
DISH DBS Corp.		
6.750%, 06/01/2021	66,000	67,334
Lamar Media Corp.		
3.750%, 02/15/2028	10,000	10,277
Sirius XM Radio, Inc.		
4.125%, 07/01/2030 (C)	20,000	21,288
SoftBank Group Corp. (6.000% to 7-19-23, then 5 Year ICE Swap Rate + 4.226%) 07/19/2023 (D)	600,000	585,750
Sprint Corp.		
7.125%, 06/15/2024	85,000	99,398
Sprint Spectrum Company LLC		
5.152%, 03/20/2028 (C)	295,000	341,463
Telecom Italia Capital SA		
6.000%, 09/30/2034	15,000	18,271
7.721%, 06/04/2038	25,000	34,750
Telefonica Celular del Paraguay SA		
5.875%, 04/15/2027 (C)	400,000	426,000
Telefonica Emisiones SA		
7.045%, 06/20/2036	170,000	253,309
Tencent Holdings, Ltd.		
1.810%, 01/26/2026 (C)	200,000	204,404
3.595%, 01/19/2028 (C)	200,000	220,474
3.975%, 04/11/2029 (C)	400,000	455,569
The Walt Disney Company		
2.650%, 01/13/2031	240,000	262,960
Time Warner Cable LLC		
4.500%, 09/15/2042	415,000	485,621
5.875%, 11/15/2040	195,000	259,957
T-Mobile USA, Inc.		
2.050%, 02/15/2028 (C)	375,000	390,060
3.300%, 02/15/2051 (C)	75,000	77,162
3.500%, 04/15/2025 (C)	320,000	353,594
3.875%, 04/15/2030 (C)	395,000	457,414
4.500%, 04/15/2050 (C)	140,000	172,674

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
T-Mobile USA, Inc. (continued)		
6.500%, 01/15/2026	\$ 625,000	\$ 646,875
VEON Holdings BV		
3.375%, 11/25/2027 (C)	225,000	231,212
Verizon Communications, Inc.		
2.650%, 11/20/2040	145,000	146,429
2.875%, 11/20/2050	85,000	85,555
2.987%, 10/30/2056 (C)	83,000	83,373
3.000%, 11/20/2060	60,000	60,278
4.000%, 03/22/2050	55,000	66,601
4.272%, 01/15/2036	160,000	198,222
4.400%, 11/01/2034	225,000	280,589
4.500%, 08/10/2033	55,000	69,293
4.672%, 03/15/2055	90,000	120,711
4.812%, 03/15/2039	120,000	156,357
ViacomCBS, Inc.		
4.200%, 05/19/2032	115,000	138,508
4.950%, 01/15/2031	515,000	644,686
Videotron, Ltd.		
5.375%, 06/15/2024 (C)	40,000	44,100
Vodafone Group PLC		
6.150%, 02/27/2037	190,000	273,542
WMG Acquisition Corp.		
3.875%, 07/15/2030 (C)	20,000	21,255
		13,535,534
Consumer discretionary – 1.8%		
Alibaba Group Holding, Ltd.		
3.400%, 12/06/2027	235,000	262,977
Amazon.com, Inc.		
3.875%, 08/22/2037	230,000	286,569
AutoZone, Inc.		
3.625%, 04/15/2025	210,000	235,190
General Motors Company		
5.200%, 04/01/2045	125,000	151,585
6.125%, 10/01/2025	70,000	84,891
Hanesbrands, Inc.		
4.875%, 05/15/2026 (C)	50,000	54,313
Howard University		
2.701%, 10/01/2029	100,000	102,783
2.801%, 10/01/2030	100,000	104,271
3.476%, 10/01/2041	120,000	123,001
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
4.750%, 06/01/2027 (C)	20,000	21,120
Las Vegas Sands Corp.		
3.500%, 08/18/2026	120,000	128,381
Lithia Motors, Inc.		
4.625%, 12/15/2027 (C)	30,000	31,650
Lowe's Companies, Inc.		
1.700%, 10/15/2030	445,000	448,996
3.700%, 04/15/2046	15,000	17,757
McDonald's Corp.		
3.350%, 04/01/2023	180,000	191,739
3.625%, 09/01/2049	210,000	245,996
4.200%, 04/01/2050	65,000	83,416
New Red Finance, Inc.		
3.500%, 02/15/2029 (C)	20,000	19,975
PulteGroup, Inc.		
5.500%, 03/01/2026	665,000	791,293
Service Corp. International		
3.375%, 08/15/2030	335,000	348,470
5.125%, 06/01/2029	507,000	561,503
The Home Depot, Inc.		
3.300%, 04/15/2040	415,000	488,433

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
The William Carter Company 5.625%, 03/15/2027 (C)	\$ 96,000	\$ 101,040
Toll Brothers Finance Corp. 4.875%, 11/15/2025	50,000	56,125
		4,941,474
Consumer staples – 2.3%		
Alimentation Couche-Tard, Inc. 2.950%, 01/25/2030 (C)	65,000	70,996
3.800%, 01/25/2050 (C)	50,000	59,132
Altria Group, Inc. 2.350%, 05/06/2025	100,000	106,228
2.625%, 09/16/2026	80,000	86,337
5.375%, 01/31/2044	185,000	236,117
5.800%, 02/14/2039	145,000	190,826
5.950%, 02/14/2049	45,000	62,947
Anheuser-Busch InBev Worldwide, Inc. 3.750%, 07/15/2042	299,000	339,655
4.600%, 04/15/2048	145,000	183,185
4.750%, 04/15/2058	60,000	78,366
5.450%, 01/23/2039	363,000	490,093
Archer-Daniels-Midland Company 3.250%, 03/27/2030	110,000	127,147
BAT Capital Corp. 2.259%, 03/25/2028	70,000	72,632
2.789%, 09/06/2024	250,000	267,213
BAT International Finance PLC 1.668%, 03/25/2026	300,000	307,013
Conagra Brands, Inc. 1.375%, 11/01/2027	250,000	252,250
4.300%, 05/01/2024	95,000	106,303
4.600%, 11/01/2025	30,000	35,331
5.400%, 11/01/2048	30,000	42,745
Constellation Brands, Inc. 2.650%, 11/07/2022	155,000	161,070
3.150%, 08/01/2029	92,000	102,406
3.600%, 02/15/2028	323,000	368,821
4.650%, 11/15/2028	70,000	85,253
Diageo Capital PLC 2.000%, 04/29/2030	400,000	416,894
Kellogg Company 3.400%, 11/15/2027	150,000	169,583
Kernel Holding SA 6.500%, 10/17/2024	200,000	211,970
Minerva Luxembourg SA 6.500%, 09/20/2026	255,000	267,753
Mondelez International, Inc. 1.500%, 05/04/2025 to 02/04/2031	305,000	307,685
NBM US Holdings, Inc. 7.000%, 05/14/2026 (C)	420,000	457,279
PepsiCo, Inc. 3.625%, 03/19/2050	155,000	196,318
Philip Morris International, Inc. 2.100%, 05/01/2030	270,000	281,441
TreeHouse Foods, Inc. 4.000%, 09/01/2028	10,000	10,344
		6,151,333
Energy – 2.5%		
Apache Corp. 4.875%, 11/15/2027	20,000	21,200
Borets Finance DAC 6.000%, 09/17/2026 (C)	430,000	448,834
BP Capital Markets America, Inc. 3.633%, 04/06/2030	50,000	58,140
Continental Resources, Inc. 5.750%, 01/15/2031 (C)	20,000	22,200

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
DCP Midstream Operating LP 4.950%, 04/01/2022	\$ 20,000	\$ 20,600
5.600%, 04/01/2044	30,000	30,937
Energy Transfer Operating LP 3.750%, 05/15/2030	105,000	113,200
4.950%, 06/15/2028	150,000	172,821
5.250%, 04/15/2029	225,000	262,584
6.125%, 12/15/2045	305,000	361,326
EQM Midstream Partners LP 6.500%, 07/01/2027 (C)	5,000	5,630
Equinor ASA 1.750%, 01/22/2026	170,000	178,541
3.625%, 04/06/2040	160,000	192,514
3.700%, 04/06/2050	60,000	72,177
Exxon Mobil Corp. 4.227%, 03/19/2040	190,000	236,165
Galaxy Pipeline Assets Bidco, Ltd. 2.625%, 03/31/2036 (C)	630,000	653,519
Halliburton Company 4.850%, 11/15/2035	85,000	99,127
Hess Corp. 7.125%, 03/15/2033	58,000	75,700
7.300%, 08/15/2031	155,000	202,690
Kinder Morgan Energy Partners LP 3.500%, 03/01/2021	240,000	240,000
Marathon Petroleum Corp. 4.700%, 05/01/2025	260,000	297,788
MPLX LP 1.750%, 03/01/2026	25,000	25,867
4.125%, 03/01/2027	5,000	5,765
4.250%, 12/01/2027	160,000	187,792
4.700%, 04/15/2048	145,000	171,683
5.200%, 03/01/2047	40,000	48,588
5.500%, 02/15/2049	15,000	19,722
ONEOK, Inc. 3.100%, 03/15/2030	30,000	31,942
4.450%, 09/01/2049	105,000	110,266
5.850%, 01/15/2026	125,000	149,690
6.000%, 06/15/2035	30,000	36,715
Ovintiv, Inc. 6.500%, 08/15/2034	5,000	5,787
Phillips 66 2.150%, 12/15/2030	85,000	86,239
Phillips 66 Partners LP 4.900%, 10/01/2046	220,000	246,154
QEP Resources, Inc. 5.375%, 10/01/2022	40,000	41,658
Sabine Pass Liquefaction LLC 4.500%, 05/15/2030 (C)	200,000	236,938
SM Energy Company 6.125%, 11/15/2022	35,000	33,950
Sunoco Logistics Partners Operations LP 4.000%, 10/01/2027	65,000	71,100
Targa Resources Partners LP 4.875%, 02/01/2031 (C)	20,000	21,700
Texas Eastern Transmission LP 2.800%, 10/15/2022 (C)	50,000	51,681
The Williams Companies, Inc. 4.900%, 01/15/2045	8,000	9,433
5.100%, 09/15/2045	25,000	30,854
5.800%, 11/15/2043	30,000	39,094
6.300%, 04/15/2040	27,000	35,865
TransCanada PipeLines, Ltd. 4.100%, 04/15/2030	200,000	236,174
4.625%, 03/01/2034	130,000	158,757

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Tullow Oil PLC		
7.000%, 03/01/2025 (C)	\$ 200,000	\$ 133,000
Valero Energy Corp.		
2.150%, 09/15/2027	305,000	311,506
4.000%, 04/01/2029	95,000	106,827
4.900%, 03/15/2045	125,000	145,470
Western Midstream Operating LP		
5.050%, 02/01/2030	10,000	11,125
YPF SA		
16.500%, 05/09/2022 (C)	ARS 6,797,946	58,210
		6,625,245
Financials – 8.1%		
American International Group, Inc.		
2.500%, 06/30/2025	\$ 495,000	532,016
Aon Corp.		
2.200%, 11/15/2022	185,000	191,204
Bank of America Corp.		
7.750%, 05/14/2038	300,000	510,949
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	270,000	287,777
Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	740,000	814,516
Bank of America Corp. (3.705% to 4-24-27, then 3 month LIBOR + 1.512%) 04/24/2028	90,000	102,423
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	625,000	788,011
BNP Paribas SA (2.219% to 6-9-25, then SOFR + 2.074%) 06/09/2026 (C)	240,000	251,140
Brighthouse Financial, Inc.		
5.625%, 05/15/2030	610,000	752,664
Capital One Financial Corp.		
3.900%, 01/29/2024	205,000	224,521
Citigroup, Inc.		
3.200%, 10/21/2026	225,000	251,384
4.450%, 09/29/2027	45,000	53,055
Citigroup, Inc. (2.312% to 11-4-21, then SOFR + 0.867%) 11/04/2022	235,000	238,764
Citigroup, Inc. (3.352% to 4-24-24, then 3 month LIBOR + 0.897%) 04/24/2025	220,000	239,142
Citigroup, Inc. (3.980% to 3-20-29, then 3 month LIBOR + 1.338%) 03/20/2030	110,000	129,299
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.914%) 03/31/2031	165,000	199,941
Credit Suisse Group AG (6.250% to 12-18-24, then 5 Year U.S. Swap Rate + 3.455%) 12/18/2024 (D)	475,000	518,879
DAE Funding LLC		
4.500%, 08/01/2022 (C)	5,000	5,059
5.000%, 08/01/2024 (C)	5,000	5,125
Danske Bank A/S		
5.000%, 01/12/2022 (C)	225,000	234,886
5.375%, 01/12/2024 (C)	235,000	265,082
Fifth Third Bancorp		
2.375%, 01/28/2025	205,000	218,125
FirstCash, Inc.		
4.625%, 09/01/2028 (C)	250,000	257,813
GE Capital Funding LLC		
4.400%, 05/15/2030 (C)	235,000	276,884

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Genworth Holdings, Inc.		
4.900%, 08/15/2023	\$ 50,000	\$ 47,250
GTP Acquisition Partners I LLC		
3.482%, 06/16/2025 (C)	730,000	782,672
HSBC Holdings PLC (1.589% to 5-24-26, then SOFR + 1.290%) 05/24/2027	305,000	310,083
Industrial & Commercial Bank of China, Ltd. (3 month LIBOR + 0.750%) 0.963%, 05/21/2021 (E)	200,000	200,050
Inter-American Development Bank		
7.250%, 06/10/2021	MXN 5,530,000	279,697
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	\$ 50,000	54,812
JPMorgan Chase & Co. (3.109% to 4-22-40, then SOFR + 2.460%) 04/22/2041	110,000	122,777
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	70,000	77,789
JPMorgan Chase & Co. (3.220% to 3-1-24, then 3 month LIBOR + 1.155%) 03/01/2025	295,000	318,407
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.945%) 01/23/2029	285,000	325,013
JPMorgan Chase & Co. (3.702% to 5-6-29, then 3 month LIBOR + 1.160%) 05/06/2030	280,000	324,651
JPMorgan Chase & Co. (3.797% to 7-23-23, then 3 month LIBOR + 0.890%) 07/23/2024	295,000	320,170
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	595,000	683,554
JPMorgan Chase & Co. (4.005% to 4-23-28, then 3 month LIBOR + 1.120%) 04/23/2029	160,000	187,766
Marsh & McLennan Companies, Inc.		
3.875%, 03/15/2024	175,000	192,990
4.750%, 03/15/2039	120,000	161,315
Massachusetts Mutual Life Insurance Company		
3.729%, 10/15/2070 (C)	49,000	53,974
MGIC Investment Corp.		
5.750%, 08/15/2023 (F)	30,000	32,475
Morgan Stanley		
2.500%, 04/21/2021	625,000	628,874
3.125%, 07/27/2026	55,000	61,590
Morgan Stanley (1.794% to 2-13-31, then SOFR + 1.034%) 02/13/2032	515,000	517,872
Morgan Stanley (2.699% to 1-22-30, then SOFR + 1.143%) 01/22/2031	305,000	330,921
Morgan Stanley (3.591% to 7-22-27, then 3 month LIBOR + 1.340%) 07/22/2028	395,000	450,792
Morgan Stanley (4.431% to 1-23-29, then 3 month LIBOR + 1.628%) 01/23/2030	95,000	115,764
MSCI, Inc.		
3.875%, 02/15/2031 (C)	30,000	31,725
4.000%, 11/15/2029 (C)	25,000	26,625
5.375%, 05/15/2027 (C)	603,000	643,703

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Navient Corp. 7.250%, 01/25/2022 to 09/25/2023	\$ 85,000	\$ 90,609
New York Life Global Funding 2.000%, 01/22/2025 (C)	320,000	336,619
Power Finance Corp., Ltd. 3.950%, 04/23/2030 (C)	515,000	549,005
Santander Holdings USA, Inc. 3.700%, 03/28/2022	200,000	206,529
State Street Corp. (2.354% to 11-1-24, then SOFR + 0.940%) 11/01/2025	265,000	282,787
State Street Corp. (2.901% to 3-30-25, then SOFR + 2.600%) 03/30/2026	130,000	141,584
The Bank of New York Mellon Corp. 2.100%, 10/24/2024	260,000	277,114
The Goldman Sachs Group, Inc. 6.750%, 10/01/2037	165,000	252,199
The Goldman Sachs Group, Inc. (4.017% to 10-31-37, then 3 month LIBOR + 1.373%) 10/31/2038	235,000	286,425
The PNC Financial Services Group, Inc. 2.200%, 11/01/2024	185,000	196,574
2.550%, 01/22/2030	45,000	49,274
The Progressive Corp. 3.200%, 03/26/2030	155,000	178,411
Truist Bank 2.250%, 03/11/2030	620,000	650,122
UBS Group AG 2.650%, 02/01/2022 (C)	380,000	389,652
UBS Group AG (7.000% to 2-19-25, then 5 Year U.S. Swap Rate + 4.866%) 02/19/2025 (D)	200,000	227,250
UniCredit SpA 6.572%, 01/14/2022 (C)	350,000	368,828
Unum Group 4.000%, 06/15/2029	80,000	89,937
4.500%, 03/15/2025 to 12/15/2049	280,000	307,439
Voya Financial, Inc. 4.800%, 06/15/2046	5,000	6,328
Wells Fargo & Company 3.000%, 04/22/2026 to 10/23/2026	310,000	342,166
3.069%, 01/24/2023	380,000	390,835
3.750%, 01/24/2024	330,000	360,208
4.400%, 06/14/2046	60,000	75,064
4.900%, 11/17/2045	15,000	19,966
5.606%, 01/15/2044	15,000	21,246
Wells Fargo & Company (2.406% to 10-30-24, then 3 month LIBOR + 0.825%) 10/30/2025	465,000	491,590
Wells Fargo & Company (5.013% to 4-4-50, then 3 month LIBOR + 4.240%) 04/04/2051	105,000	149,147
Willis North America, Inc. 3.600%, 05/15/2024	115,000	125,551
		21,494,429
Health care – 3.6%		
AbbVie, Inc. 3.200%, 11/21/2029	265,000	296,834
4.250%, 11/21/2049	220,000	275,741
4.625%, 10/01/2042	135,000	171,157
Alcon Finance Corp. 2.750%, 09/23/2026 (C)	400,000	437,680
Amgen, Inc. 1.900%, 02/21/2025	65,000	68,309
2.200%, 02/21/2027	120,000	128,601
2.300%, 02/25/2031	475,000	506,316

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Amgen, Inc. (continued) 3.150%, 02/21/2040	\$ 105,000	\$ 115,427
3.375%, 02/21/2050	130,000	144,977
Anthem, Inc. 3.500%, 08/15/2024	70,000	76,794
4.625%, 05/15/2042	65,000	84,634
Bausch Health Companies, Inc. 5.750%, 08/15/2027 (C)	50,000	53,625
7.000%, 03/15/2024 (C)	10,000	10,288
Baxalta, Inc. 3.600%, 06/23/2022	11,000	11,445
Baxter International, Inc. 3.950%, 04/01/2030 (C)	115,000	137,367
Bayer US Finance II LLC 4.250%, 12/15/2025 (C)	260,000	297,138
Becton, Dickinson and Company 2.823%, 05/20/2030	35,000	38,448
3.363%, 06/06/2024	490,000	532,581
Boston Scientific Corp. 1.900%, 06/01/2025	125,000	131,274
3.750%, 03/01/2026	415,000	470,854
Bristol-Myers Squibb Company 0.750%, 11/13/2025	390,000	392,579
2.550%, 11/13/2050	95,000	96,982
Centene Corp. 3.375%, 02/15/2030	5,000	5,260
4.250%, 12/15/2027	50,000	53,000
4.625%, 12/15/2029	562,000	623,938
CommonSpirit Health 3.347%, 10/01/2029	45,000	49,389
CVS Health Corp. 4.125%, 04/01/2040	285,000	339,806
5.125%, 07/20/2045	170,000	228,541
Gilead Sciences, Inc. 1.650%, 10/01/2030	460,000	461,230
GlaxoSmithKline Capital, Inc. 3.625%, 05/15/2025	325,000	365,147
HCA, Inc. 3.500%, 09/01/2030	40,000	42,481
Hill-Rom Holdings, Inc. 4.375%, 09/15/2027 (C)	30,000	31,693
Pfizer, Inc. 1.700%, 05/28/2030	195,000	202,342
2.625%, 04/01/2030	90,000	100,391
Rede D'or Finance Sarl 4.500%, 01/22/2030 (C)	680,000	708,900
Royalty Pharma PLC 1.750%, 09/02/2027 (C)	20,000	20,571
2.200%, 09/02/2030 (C)	225,000	230,927
3.300%, 09/02/2040 (C)	105,000	110,250
3.550%, 09/02/2050 (C)	160,000	170,467
Shire Acquisitions Investments Ireland DAC 2.400%, 09/23/2021	56,000	56,730
Sutter Health 3.361%, 08/15/2050	110,000	119,518
Takeda Pharmaceutical Company, Ltd. 2.050%, 03/31/2030	200,000	204,516
Teleflex, Inc. 4.250%, 06/01/2028 (C)	25,000	26,500
Teva Pharmaceutical Finance Netherlands III BV 3.150%, 10/01/2026	345,000	331,635
Thermo Fisher Scientific, Inc. 3.000%, 04/15/2023	40,000	42,213

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
UnitedHealth Group, Inc.		
2.375%, 08/15/2024	\$ 170,000	\$ 181,120
2.875%, 08/15/2029	45,000	51,124
3.500%, 08/15/2039	100,000	118,802
4.750%, 07/15/2045	50,000	70,410
Viatisr, Inc.		
1.650%, 06/22/2025 (C)	85,000	87,838
2.300%, 06/22/2027 (C)	70,000	74,493
		9,588,283
Industrials – 2.0%		
Ashtead Capital, Inc.		
4.375%, 08/15/2027 (C)	605,000	639,031
Carrier Global Corp.		
2.700%, 02/15/2031	110,000	118,118
Clean Harbors, Inc.		
4.875%, 07/15/2027 (C)	625,000	652,069
5.125%, 07/15/2029 (C)	25,000	27,313
Equifax, Inc.		
2.600%, 12/15/2025	133,000	143,527
3.100%, 05/15/2030	40,000	44,470
FedEx Corp.		
3.300%, 03/15/2027	90,000	100,803
4.250%, 05/15/2030	155,000	188,230
General Dynamics Corp.		
4.250%, 04/01/2040	95,000	123,497
General Electric Company		
3.625%, 05/01/2030	130,000	148,498
International Airport Finance SA		
12.000%, 03/15/2033 (C)	329,236	327,589
L3Harris Technologies, Inc.		
3.850%, 06/15/2023	260,000	280,821
Northrop Grumman Corp.		
5.150%, 05/01/2040	165,000	227,771
Otis Worldwide Corp.		
2.565%, 02/15/2030	270,000	289,781
Penske Truck Leasing Company LP		
2.700%, 11/01/2024 (C)	250,000	267,789
4.000%, 07/15/2025 (C)	230,000	260,772
Raytheon Technologies Corp.		
3.650%, 08/16/2023	4,000	4,312
3.950%, 08/16/2025	185,000	212,138
4.450%, 11/16/2038	155,000	195,205
4.625%, 11/16/2048	35,000	47,436
Sensata Technologies BV		
5.000%, 10/01/2025 (C)	75,000	83,438
The Boeing Company		
5.040%, 05/01/2027	165,000	192,825
5.150%, 05/01/2030	170,000	205,729
Trane Technologies Global Holding Company, Ltd.		
2.900%, 02/21/2021	110,000	110,348
Trane Technologies Luxembourg Finance SA		
4.500%, 03/21/2049	40,000	52,057
Union Pacific Corp.		
2.973%, 09/16/2062 (C)	240,000	250,115
3.839%, 03/20/2060	15,000	18,528
United Rentals North America, Inc.		
4.000%, 07/15/2030	35,000	36,838
5.500%, 05/15/2027	65,000	69,631
Waste Management, Inc.		
2.500%, 11/15/2050	60,000	60,499
4.150%, 07/15/2049	30,000	39,910
		5,419,088

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology – 3.5%		
Apple, Inc.		
2.200%, 09/11/2029	\$ 275,000	\$ 296,772
2.650%, 05/11/2050	60,000	63,554
3.450%, 02/09/2045	45,000	54,521
4.375%, 05/13/2045	35,000	47,889
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (C)	419,000	428,951
Booz Allen Hamilton, Inc.		
3.875%, 09/01/2028 (C)	510,000	525,300
Broadcom, Inc.		
4.250%, 04/15/2026	46,000	52,693
5.000%, 04/15/2030	590,000	716,855
CDK Global, Inc.		
5.250%, 05/15/2029 (C)	5,000	5,540
CDW LLC		
3.250%, 02/15/2029	310,000	316,107
4.250%, 04/01/2028	20,000	21,115
Entegris, Inc.		
4.375%, 04/15/2028 (C)	40,000	42,600
4.625%, 02/10/2026 (C)	25,000	25,938
Fair Isaac Corp.		
4.000%, 06/15/2028 (C)	28,000	29,470
Fidelity National Information Services, Inc.		
3.750%, 05/21/2029	130,000	152,547
4.250%, 05/15/2028	60,000	71,418
Fiserv, Inc.		
2.250%, 06/01/2027	625,000	665,821
3.200%, 07/01/2026	205,000	229,582
Gartner, Inc.		
3.750%, 10/01/2030 (C)	143,000	150,150
4.500%, 07/01/2028 (C)	193,000	203,615
Global Payments, Inc.		
2.900%, 05/15/2030	185,000	201,153
3.200%, 08/15/2029	80,000	88,795
HP, Inc.		
2.200%, 06/17/2025	135,000	142,901
3.000%, 06/17/2027	135,000	148,900
IBM Corp.		
1.950%, 05/15/2030	310,000	319,346
3.500%, 05/15/2029	275,000	318,182
4.250%, 05/15/2049	100,000	131,083
Intel Corp.		
3.100%, 02/15/2060	175,000	192,233
Leidos, Inc.		
3.625%, 05/15/2025 (C)	130,000	145,352
Mastercard, Inc.		
3.350%, 03/26/2030	60,000	70,000
Microchip Technology, Inc.		
2.670%, 09/01/2023 (C)	370,000	386,943
4.250%, 09/01/2025 (C)	10,000	10,579
Microsoft Corp.		
2.675%, 06/01/2060	31,000	33,514
3.950%, 08/08/2056	149,000	204,192
Nokia OYJ		
4.375%, 06/12/2027	130,000	141,782
6.625%, 05/15/2039	40,000	51,092
NortonLifeLock, Inc.		
5.000%, 04/15/2025 (C)	530,000	540,600
NVIDIA Corp.		
3.500%, 04/01/2040	185,000	221,862
NXP BV		
4.300%, 06/18/2029 (C)	25,000	29,782
4.875%, 03/01/2024 (C)	350,000	394,717
5.350%, 03/01/2026 (C)	115,000	138,512

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
NXP BV (continued)		
5.550%, 12/01/2028 (C)	\$ 95,000	\$ 120,997
Oracle Corp.		
3.600%, 04/01/2040	35,000	40,955
3.850%, 04/01/2060	500,000	613,546
Qorvo, Inc.		
3.375%, 04/01/2031 (C)	15,000	15,488
QUALCOMM, Inc.		
4.650%, 05/20/2035	10,000	13,367
4.800%, 05/20/2045	110,000	156,263
SS&C Technologies, Inc.		
5.500%, 09/30/2027 (C)	262,000	279,821
Western Digital Corp.		
4.750%, 02/15/2026	20,000	22,100
Xerox Holdings Corp.		
5.500%, 08/15/2028 (C)	20,000	21,223
		9,295,718
Materials – 1.5%		
Alpek SAB de CV		
4.250%, 09/18/2029 (C)	200,000	219,300
Anglo American Capital PLC		
4.750%, 04/10/2027 (C)	200,000	235,843
4.875%, 05/14/2025 (C)	280,000	323,830
Ball Corp.		
4.000%, 11/15/2023	570,000	607,050
Commercial Metals Company		
5.375%, 07/15/2027	20,000	21,050
DuPont de Nemours, Inc.		
4.205%, 11/15/2023	340,000	375,075
Kaiser Aluminum Corp.		
4.625%, 03/01/2028 (C)	20,000	20,750
LYB International Finance III LLC		
1.250%, 10/01/2025	85,000	86,470
3.800%, 10/01/2060	55,000	59,104
Metinvest BV		
5.625%, 06/17/2025 (C)	EUR 195,000	246,464
Olin Corp.		
5.125%, 09/15/2027	\$ 45,000	47,076
Standard Industries, Inc.		
3.375%, 01/15/2031 (C)	40,000	40,200
4.375%, 07/15/2030 (C)	195,000	208,597
Steel Dynamics, Inc.		
2.800%, 12/15/2024	201,000	216,055
Suzano Austria GmbH		
5.000%, 01/15/2030	500,000	567,815
Syngenta Finance NV		
4.892%, 04/24/2025 (C)	200,000	214,612
The Chemours Company		
5.375%, 05/15/2027 (F)	45,000	47,925
The Dow Chemical Company		
4.800%, 05/15/2049 (F)	66,000	88,627
The Sherwin-Williams Company		
3.300%, 05/15/2050	60,000	66,210
Vale Overseas, Ltd.		
3.750%, 07/08/2030 (F)	365,000	406,066
		4,098,119
Real estate – 1.1%		
American Tower Corp.		
1.500%, 01/31/2028	170,000	170,984
2.400%, 03/15/2025	135,000	143,522
2.950%, 01/15/2051	200,000	200,094
Brixmor Operating Partnership LP		
4.050%, 07/01/2030	285,000	326,945
Equinix, Inc.		
1.800%, 07/15/2027 (F)	40,000	41,159

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
GLP Capital LP		
4.000%, 01/15/2031	\$ 230,000	\$ 250,981
5.300%, 01/15/2029	130,000	151,271
5.750%, 06/01/2028	130,000	153,980
SBA Tower Trust		
2.836%, 01/15/2025 (C)	300,000	319,405
3.168%, 04/11/2022 (C)	530,000	534,256
3.448%, 03/15/2023 (C)	435,000	461,304
VEREIT Operating Partnership LP		
2.200%, 06/15/2028	15,000	15,331
2.850%, 12/15/2032	15,000	15,674
3.400%, 01/15/2028	60,000	66,208
VICI Properties LP		
4.250%, 12/01/2026 (C)	10,000	10,372
		2,861,486
Utilities – 3.4%		
Alabama Power Company		
4.150%, 08/15/2044	160,000	202,675
American Water Capital Corp.		
2.800%, 05/01/2030	85,000	93,780
4.150%, 06/01/2049	110,000	144,869
AmeriGas Partners LP		
5.625%, 05/20/2024	20,000	21,550
5.875%, 08/20/2026	40,000	45,000
Berkshire Hathaway Energy Company		
1.650%, 05/15/2031 (C)	55,000	54,958
3.250%, 04/15/2028	135,000	154,264
Centrais Eletricas Brasileiras SA		
3.625%, 02/04/2025 (C)	200,000	207,502
Cleco Corporate Holdings LLC		
3.375%, 09/15/2029	140,000	143,716
3.743%, 05/01/2026	54,000	59,748
4.973%, 05/01/2046	10,000	11,685
Commonwealth Edison Company		
3.650%, 06/15/2046	175,000	207,679
Dominion Energy South Carolina, Inc.		
5.100%, 06/01/2065	50,000	78,624
Dominion Energy, Inc.		
3.375%, 04/01/2030	15,000	17,078
Duke Energy Florida LLC		
3.400%, 10/01/2046	135,000	153,883
Duke Energy Indiana LLC		
3.250%, 10/01/2049	105,000	118,698
Duke Energy Progress LLC		
3.700%, 10/15/2046	70,000	84,391
Eastern Energy Gas Holdings LLC		
2.500%, 11/15/2024	190,000	203,237
Eversource Energy, Inc.		
2.450%, 09/15/2024	90,000	95,416
2.900%, 09/15/2029	240,000	262,940
Exelon Corp.		
2.450%, 04/15/2021	50,000	50,196
3.950%, 06/15/2025	300,000	339,291
FirstEnergy Corp.		
1.600%, 01/15/2026	35,000	34,200
2.250%, 09/01/2030	175,000	169,181
Florida Power & Light Company		
3.990%, 03/01/2049	45,000	58,743
Georgia Power Company		
2.100%, 07/30/2023	255,000	266,329
4.300%, 03/15/2042	200,000	253,609
IPALCO Enterprises, Inc.		
3.700%, 09/01/2024	175,000	190,715
4.250%, 05/01/2030 (C)	510,000	588,462

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
ITC Holdings Corp. 2.950%, 05/14/2030 (C)	\$ 220,000	\$ 240,338
MidAmerican Energy Company 3.150%, 04/15/2050 3.650%, 08/01/2048	115,000 45,000	132,172 54,922
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	150,000	157,176
NiSource, Inc. 3.490%, 05/15/2027 3.600%, 05/01/2030	210,000 315,000	238,037 364,319
NRG Energy, Inc. 2.000%, 12/02/2025 (C) 2.450%, 12/02/2027 (C)	190,000 190,000	196,928 199,962
Oglethorpe Power Corp. 3.750%, 08/01/2050 (C) 5.050%, 10/01/2048	35,000 135,000	37,545 171,154
Oncor Electric Delivery Company LLC 3.100%, 09/15/2049 5.750%, 03/15/2029	45,000 70,000	51,676 92,268
Pacific Gas & Electric Company 2.500%, 02/01/2031	430,000	430,713
PacifiCorp 4.125%, 01/15/2049 4.150%, 02/15/2050	33,000 45,000	42,356 58,603
Public Service Electric & Gas Company 3.800%, 03/01/2046	50,000	61,304
Public Service Enterprise Group, Inc. 2.875%, 06/15/2024	220,000	236,809
Puget Energy, Inc. 3.650%, 05/15/2025 4.100%, 06/15/2030	250,000 205,000	275,653 231,680
Sempra Energy 3.400%, 02/01/2028 3.800%, 02/01/2038 4.000%, 02/01/2048	200,000 85,000 25,000	227,952 98,335 29,738
Southern California Edison Company 2.250%, 06/01/2030 2.850%, 08/01/2029 3.650%, 02/01/2050 4.000%, 04/01/2047	85,000 150,000 35,000 72,000	88,447 163,120 39,682 84,433
The AES Corp. 3.300%, 07/15/2025 (C)	175,000	190,750
The Connecticut Light & Power Company 4.000%, 04/01/2048	45,000	58,169
The Southern Company 2.950%, 07/01/2023 3.700%, 04/30/2030	70,000 245,000	74,123 283,554
Union Electric Company 4.000%, 04/01/2048	45,000	56,663
		8,981,000
TOTAL CORPORATE BONDS (Cost \$85,434,126)		\$ 92,991,709
MUNICIPAL BONDS – 2.3%		
Chicago Board of Education (Illinois), GO 6.038%, 12/01/2029 6.138%, 12/01/2039 6.319%, 11/01/2029	30,000 155,000 185,000	31,811 163,423 198,043
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	90,000	101,272
County of Riverside (California) 2.963%, 02/15/2027 3.070%, 02/15/2028	600,000 600,000	638,664 641,874

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
Metropolitan Transportation Authority (New York) 4.750%, 11/15/2045 5.175%, 11/15/2049	\$ 255,000 705,000	\$ 298,875 826,098
Municipal Electric Authority of Georgia 6.637%, 04/01/2057	198,000	301,109
New York Transportation Development Corp. 4.248%, 09/01/2035	785,000	870,777
Philadelphia Authority for Industrial Development (Pennsylvania) 6.550%, 10/15/2028	675,000	869,441
State Board of Administration Finance Corp. (Florida) 1.258%, 07/01/2025	510,000	521,684
State of California, GO 7.300%, 10/01/2039 (F)	30,000	49,519
State of Connecticut, GO 3.000%, 07/01/2021	20,000	20,268
State of Illinois, GO 4.950%, 06/01/2023 (F) 5.000%, 01/01/2023 5.563%, 02/01/2021 5.947%, 04/01/2022	336,818 40,000 80,000 120,000	345,131 41,440 80,188 127,030
TOTAL MUNICIPAL BONDS (Cost \$5,669,506)		\$ 6,126,647
TERM LOANS (G) – 3.2%		
Communication services – 0.3%		
Clear Channel Outdoor Holdings, Inc., Term Loan B (3 month LIBOR + 3.500%) 3.714%, 08/21/2026	138,250	132,818
CSC Holdings LLC, 2019 Term Loan B5 (1 month LIBOR + 2.500%) 2.659%, 04/15/2027	98,009	96,988
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%) 3.500%, 02/01/2024	131,829	130,229
ION Media Networks, Inc., 2019 Term Loan B (1 month LIBOR + 3.000%) 3.147%, 12/18/2024	203,428	203,088
Terrier Media Buyer, Inc., Term Loan B (1 month LIBOR + 4.250%) 4.397%, 12/17/2026	108,900	108,866
		671,989
Consumer discretionary – 0.5%		
Adient US LLC, Term Loan B (1 and 3 month LIBOR + 4.250%) 4.414%, 05/06/2024	98,500	98,336
APX Group, Inc. 2020 Term Loan (Prime rate + 4.000% and 1 month LIBOR + 5.000%) 5.148%, 12/31/2025	196,019	194,723
Bass Pro Group LLC, Term Loan B (1 month LIBOR + 5.000%) 5.750%, 09/25/2024	96,750	96,923
Boyd Gaming Corp., Term Loan B3 (1 week LIBOR + 2.250%) 2.352%, 09/15/2023	69,336	68,649
Caesars Resort Collection LLC, 2017 1st Lien Term Loan B (1 month LIBOR + 2.750%) 2.897%, 12/23/2024	107,952	105,780
Clarios Global LP, USD Term Loan B (1 month LIBOR + 3.500%) 3.647%, 04/30/2026	96,964	96,459

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Consumer discretionary (continued)		
Golden Entertainment, Inc., 2017 1st Lien Term Loan (1 month LIBOR + 3.000%) 3.750%, 10/21/2024	\$ 120,625	\$ 117,629
Hayward Industries, Inc., 1st Lien Term Loan (1 month LIBOR + 3.500%) 3.647%, 08/05/2024	100,000	98,708
KFC Holding Company, 2018 Term Loan B 04/03/2025 TBD (H)	125,000	123,929
New Red Finance, Term Loan B4 11/19/2026 TBD (H)	200,000	196,938
Staples, Inc., 7 Year Term Loan (3 month LIBOR + 5.000%) 5.214%, 04/16/2026	126,449	122,239
Verisure Holding AB, 2020 EUR Term Loan B 07/20/2026 TBD (H)	EUR 115,000	140,819
		1,461,132
Consumer staples – 0.2%		
Brightview Landscapes LLC, 2018 1st Lien Term Loan B (1 and 3 month LIBOR + 2.500%) 2.688%, 08/15/2025	\$ 169,216	168,230
Coty, Inc., 2018 USD Term Loan B (1 month LIBOR + 2.250%) 2.402%, 04/07/2025	103,698	97,476
Sunshine Luxembourg VII Sarl, USD Term Loan B1 (3 month LIBOR + 4.000%) 5.000%, 10/01/2026	148,500	148,779
		414,485
Financials – 0.1%		
Asurion LLC, 2018 Term Loan B6 (1 month LIBOR + 3.000%) 3.147%, 11/03/2023	124,076	122,783
Asurion LLC, 2020 Term Loan B8 12/23/2026 TBD (H)	100,000	98,870
Sedgwick Claims Management Services, Inc., 2019 Term Loan B (1 month LIBOR + 4.000%) 4.147%, 09/03/2026	132,975	132,394
		354,047
Health care – 0.4%		
ADMI Corp., 2020 Incremental Term Loan 12/15/2027 TBD (H)	100,000	99,975
Bausch Health Americas, Inc., 2018 Term Loan B (1 month LIBOR + 3.000%) 3.148%, 06/02/2025	72,243	71,927
Change Healthcare Holdings LLC, 2017 Term Loan B (1 and 3 month LIBOR + 2.500%) 3.500%, 03/01/2024	104,213	103,640
Elanco Animal Health, Inc., Term Loan B 08/01/2027 TBD (H)	395,000	391,133
Endo International PLC, 2017 Term Loan B (3 month LIBOR + 4.250%) 5.000%, 04/29/2024	144,750	142,217
MPH Acquisition Holdings LLC, 2016 Term Loan B (3 month LIBOR + 2.750%) 3.750%, 06/07/2023	84,330	83,856
Pathway Vet Alliance LLC, 2020 Delayed Draw Term Loan (1 and 3 month LIBOR + 4.000%) 4.148%, 03/31/2027	7,497	7,486

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Health care (continued)		
Pathway Vet Alliance LLC, 2020 Term Loan (1 month LIBOR + 4.000%) 4.146%, 03/31/2027	\$ 91,790	\$ 91,652
		991,886
Industrials – 0.8%		
Altra Industrial Motion Corp., 2018 Term Loan B 10/01/2025 TBD (H)	130,000	129,675
American Builders & Contractors Supply Company, Inc., 2019 Term Loan 01/15/2027 TBD (H)	400,000	395,856
AVSC Holding Corp., 2020 Term Loan B1 (3 month LIBOR + 3.500%) 4.500%, 03/03/2025	73,120	62,107
Brand Industrial Services, Inc., 2017 Term Loan (3 month LIBOR + 4.250%) 5.250%, 06/21/2024	193,000	187,824
Gardner Denver, Inc., 2020 USD Term Loan B2 (1 month LIBOR + 1.750%) 1.897%, 03/01/2027	123,386	121,628
Ingersoll-Rand Services Company, 2020 USD Spinco Term Loan 03/01/2027 TBD (H)	400,000	394,300
RBS Global, Inc., 2019 Term Loan B (1 month LIBOR + 1.750%) 1.897%, 08/21/2024	50,146	50,002
The Dun & Bradstreet Corp., 2020 Add On Term Loan 02/06/2026 TBD (H)	100,000	99,958
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 3.750%) 3.898%, 02/06/2026	99,250	99,208
Trans Union LLC, 2019 Term Loan B5 11/16/2026 TBD (H)	395,000	393,108
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%) 2.397%, 05/30/2025	96,955	94,894
Vertical US Newco, Inc., USD Term Loan B (6 month LIBOR + 4.250%) 4.570%, 07/30/2027	174,563	175,154
		2,203,714
Information technology – 0.7%		
Go Daddy Operating Company LLC, 2017 Repriced Term Loan 02/15/2024 TBD (H)	395,000	394,506
Science Applications International Corp., Term Loan B 10/31/2025 TBD (H)	395,000	392,883
SS&C Technologies, Inc., 2018 Term Loan B3 04/16/2025 TBD (H)	132,015	130,167
SS&C Technologies, Inc., 2018 Term Loan B4 04/16/2025 TBD (H)	99,985	98,585
SS&C Technologies, Inc., 2018 Term Loan B5 04/16/2025 TBD (H)	100,000	98,763
The Ultimate Software Group, Inc., Term Loan B (1 month LIBOR + 3.750%) 3.897%, 05/04/2026	98,750	98,596
WEX, Inc., Term Loan B3 (1 month LIBOR + 2.250%) 2.397%, 05/15/2026	537,717	533,599
		1,747,099

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Materials – 0.2%		
Axalta Coating Systems US Holdings, Inc., USD Term Loan B3 06/01/2024 TBD (H)	\$ 200,000	\$ 198,250
Berry Global, Inc., 2019 Term Loan Y 07/01/2026 TBD (H)	200,000	198,826
Pactiv Evergreen Group Holdings, Inc., USD 2017 Term Loan B1 (1 month LIBOR + 2.750%) 2.897%, 02/05/2023	43,598	43,380
Proampac PG Borrower LLC, 2020 Term Loan (1 and 3 month LIBOR + 4.000%) 5.000%, 11/03/2025	100,000	99,688
		540,144
TOTAL TERM LOANS (Cost \$8,415,577)		\$ 8,384,496
COLLATERALIZED MORTGAGE OBLIGATIONS – 14.7%		
Commercial and residential – 10.7%		
Alternative Loan Trust		
Series 2005-27, Class 2A1 (12 month Treasury Average Index + 1.350%), 1.959%, 08/25/2035 (E)	147,474	133,298
Series 2005-56, Class 5A1 (1 month LIBOR + 0.640%), 0.788%, 11/25/2035 (E)	69,622	60,385
Series 2005-72, Class A1 (1 month LIBOR + 0.540%), 0.688%, 01/25/2036 (E)	22,246	21,555
Series 2005-7CB, Class 2A8 (1 month LIBOR + 0.450%), 0.598%, 03/01/2038 (E)	124,767	103,784
Series 2006-9T1, Class A1, 5.750%, 05/25/2036	80,670	53,653
American Home Mortgage Assets Trust		
Series 2006-3, Class 2A11 (12 month Treasury Average Index + 0.940%), 1.549%, 10/25/2046 (E)	41,682	33,940
Series 2007-2, Class A1 (1 month LIBOR + 0.125%), 0.273%, 03/25/2047 (E)	20,449	19,369
Angel Oak Mortgage Trust LLC		
Series 2019-2, Class A1, 3.628%, 03/25/2049 (C)(I)	104,116	106,482
Series 2019-3, Class A1, 2.930%, 05/25/2059 (C)(I)	430,714	436,866
Series 2020-R1, Class A1, 0.990%, 04/25/2053 (C)(I)	525,000	525,060
Arroyo Mortgage Trust		
Series 2019-2, Class A1 3.347%, 04/25/2049 (C)(I)	579,897	597,454
BANK		
Series 2017-BNK8, Class XA IO, 0.736%, 11/15/2050	4,459,188	187,017
Series 2019-BN18, Class XA IO, 0.902%, 05/15/2062	1,422,119	88,818
Series 2019-BN20, Class XA IO, 0.838%, 09/15/2062	2,452,109	146,967
Series 2019-BN22, Class XA IO, 0.602%, 11/15/2062	2,450,494	110,507
Series 2019-BN23, Class XA IO, 0.699%, 12/15/2052	1,929,760	103,626
Series 2019-BN24, Class XA IO, 0.648%, 11/15/2062	1,190,837	59,762
Series 2020-BN28, Class XA IO, 1.787%, 03/15/2063	2,608,057	365,037

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
BBCMS Mortgage Trust		
Series 2017-C1, Class XA IO, 1.486%, 02/15/2050	\$ 3,293,990	\$ 229,996
Series 2017-DELC, Class A (1 month LIBOR + 0.850%), 1.009%, 08/15/2036 (C)(E)	949,000	938,330
BBCMS Trust		
Series 2013-TYSN, Class A2 3.756%, 09/05/2032 (C)	325,946	325,206
BCAP LLC Trust		
Series 2006-AA2, Class A1 (1 month LIBOR + 0.170%) 0.318%, 01/25/2037 (E)	114,449	115,036
Bear Stearns ALT-A Trust		
Series 2005-10, Class 11A1 (1 month LIBOR + 0.500%) 0.648%, 01/25/2036 (E)	123,644	154,070
Bear Stearns Mortgage Funding Trust		
Series 2006-AR3, Class 1A1 (1 month LIBOR + 0.180%) 0.328%, 10/25/2036 (E)	9,900	8,600
Bellemeade Re, Ltd.		
Series 2019-1A, Class M1A (1 month LIBOR + 1.300%), 1.448%, 03/25/2029 (C)(E)	25,755	25,753
Series 2019-3A, Class M1A (1 month LIBOR + 1.100%), 1.248%, 07/25/2029 (C)(E)	48,222	48,222
Series 2019-4A, Class M1A (1 month LIBOR + 1.400%), 1.548%, 10/25/2029 (C)(E)	230,614	230,334
Benchmark Mortgage Trust		
Series 2018-B1, Class XA IO, 0.516%, 01/15/2051	1,337,764	39,065
Series 2018-B4, Class XA IO, 0.515%, 07/15/2051	2,342,786	66,098
Series 2018-B8, Class XA IO, 0.665%, 01/15/2052	4,911,329	208,030
Series 2019-B10, Class XA IO, 1.229%, 03/15/2062	3,196,887	250,454
Series 2019-B12, Class XA IO, 1.066%, 08/15/2052	1,095,882	70,624
Series 2020-B18, Class XA IO, 1.794%, 07/15/2053	699,755	84,110
Series 2020-B22, Class XA IO, 1.523%, 01/15/2054	1,166,000	146,982
BX Commercial Mortgage Trust		
Series 2019-XL, Class A (1 month LIBOR + 0.920%) 1.079%, 10/15/2036 (C)(E)	626,537	627,705
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%) 2.709%, 12/15/2037 (C)(E)	355,000	343,851
Century Plaza Towers		
Series 2019-CPT, Class A 2.865%, 11/13/2039 (C)	345,000	378,559
Chase Mortgage Finance Trust		
Series 2005-S3, Class A10 5.500%, 11/25/2035	145,457	138,371

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
CHL Mortgage Pass-Through Trust Series 2005-2, Class 2A3 (1 month LIBOR + 0.680%), 0.828%, 03/25/2035 (E)	\$ 34,150	\$ 31,064
Series 2007-HY4, Class 1A1, 2.997%, 09/25/2047 (I)	91,918	85,941
CIM Trust Series 2017-7, Class A 3.000%, 04/25/2057 (C)(I)	366,064	373,559
Citigroup Commercial Mortgage Trust Series 2014-GC23, Class XA IO, 0.940%, 07/10/2047	1,941,711	56,192
Series 2015-GC29, Class XA IO, 1.037%, 04/10/2048	1,665,703	63,635
Series 2016-C3, Class C, 4.124%, 11/15/2049 (I)	288,000	282,666
COLT Mortgage Loan Trust Series 2019-2, Class A1, 3.337%, 05/25/2049 (C)(I)	166,192	167,185
Series 2019-4, Class A1, 2.579%, 11/25/2049 (C)(I)	299,872	303,667
Commercial Mortgage Trust (Bank of America Merrill Lynch/Deutsche Bank AG) Series 2013-WWP, Class A2 3.424%, 03/10/2031 (C)	800,000	845,067
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2014-CR16, Class A4, 4.051%, 04/10/2047	480,000	526,040
Series 2014-CR17, Class A5, 3.977%, 05/10/2047	390,000	430,008
Commercial Mortgage Trust (Deutsche Bank AG) Series 2013-300P, Class A1, 4.353%, 08/10/2030 (C)	260,000	278,198
Series 2015-3BP, Class A, 3.178%, 02/10/2035 (C)	580,000	625,214
Series 2019-WCM, Class A (1 month LIBOR + 0.900%), 1.059%, 10/15/2034 (C)(E)	560,000	557,856
CSAIL Commercial Mortgage Trust Series 2015-C1, Class A4, 3.505%, 04/15/2050	15,000	16,404
Series 2015-C2, Class XA IO, 0.751%, 06/15/2057	5,070,636	135,103
Series 2016-C6, Class XA IO, 1.919%, 01/15/2049	1,195,537	89,455
CSMC Trust Series 2017-FHA1, Class A1 3.250%, 04/25/2047 (C)(I)	221,201	230,091
DBJPM Mortgage Trust Series 2020-C9, Class XA IO 1.714%, 09/15/2053	529,758	57,926
Deephaven Residential Mortgage Trust Series 2017-2A, Class A1, 2.453%, 06/25/2047 (C)(I)	39,893	39,907
Series 2019-2A, Class A1, 3.558%, 04/25/2059 (C)(I)	187,533	188,733
Series 2019-3A, Class A1, 2.964%, 07/25/2059 (C)(I)	457,932	462,638

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Deutsche Alt-A Securities Mortgage Loan Trust Series 2007-AR2, Class A1 (1 month LIBOR + 0.150%) 0.298%, 03/25/2037 (E)	\$ 55,700	\$ 53,879
GMACM Mortgage Loan Trust Series 2006-AR1, Class 1A1 3.587%, 04/19/2036 (I)	139,244	121,401
GS Mortgage Securities Trust Series 2012-ALOH, Class A, 3.551%, 04/10/2034 (C)	670,000	676,437
Series 2014-GC20, Class A5, 3.998%, 04/10/2047	395,000	429,945
GSR Mortgage Loan Trust Series 2006-AR1, Class 2A1, 3.050%, 01/25/2036 (I)	5,064	5,093
Series 2007-1F, Class 4A1 (1 month LIBOR + 0.300%), 0.448%, 01/25/2037 (E)	89,691	24,850
HarborView Mortgage Loan Trust Series 2005-8, Class 1A2A (1 month LIBOR + 0.660%), 0.812%, 09/19/2035 (E)	30,154	25,413
Series 2006-12, Class 2A13 (1 month LIBOR + 0.240%), 0.392%, 12/19/2036 (E)	181,043	172,341
Series 2006-12, Class 2A2A (1 month LIBOR + 0.190%), 0.342%, 01/19/2038 (E)	67,343	62,777
Series 2007-7, Class 2A1B (1 month LIBOR + 1.000%), 1.148%, 10/25/2037 (E)	72,221	70,310
Home Re, Ltd. Series 2018-1, Class M1 (1 month LIBOR + 1.600%) 1.748%, 10/25/2028 (C)(E)	108,016	107,816
IndyMac INDA Mortgage Loan Trust Series 2006-AR3, Class 1A1 3.025%, 12/25/2036 (I)	51,671	48,443
JPMBB Commercial Mortgage Securities Trust Series 2014-C19, Class A4 3.997%, 04/15/2047	395,000	432,214
JPMorgan Chase Commercial Mortgage Securities Trust Series 2020-NNN, Class AFX 2.812%, 01/16/2037 (C)	160,000	166,350
JPMorgan Mortgage Trust Series 2006-A3, Class 3A2 3.514%, 05/25/2036 (I)	10,760	9,612
Legacy Mortgage Asset Trust Series 2019-GS6, Class A1, 3.000%, 06/25/2059 (C)	412,828	414,698
Series 2019-GS7, Class A1, 3.250%, 11/25/2059 (C)	511,404	512,250
Lehman XS Trust Series 2006-16N, Class A4A (1 month LIBOR + 0.190%) 0.338%, 11/25/2046 (E)	142,615	130,114
LSTAR Securities Investment Trust Series 2019-1, Class A1 (1 month LIBOR + 1.700%), 1.855%, 03/01/2024 (C)(E)	175,470	174,461

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
LSTAR Securities		
Investment Trust (continued)		
Series 2019-2, Class A1 (1 month LIBOR + 1.500%), 1.655%, 04/01/2024 (C)(E)	\$ 63,571	\$ 63,063
Series 2019-3, Class A1 (1 month LIBOR + 1.500%), 1.655%, 04/01/2024 (C)(E)	205,072	203,294
Series 2019-4, Class A1 (1 month LIBOR + 1.500%), 1.655%, 05/01/2024 (C)(E)	476,762	475,499
Luminent Mortgage Trust		
Series 2006-4, Class A1A (1 month LIBOR + 0.380%) 0.528%, 05/25/2046 (E)	134,056	117,453
MASTR Adjustable Rate Mortgages Trust		
Series 2004-13, Class 3A7 3.176%, 11/21/2034 (I)	21,215	21,679
MFA Trust		
Series 2017-RPL1, Class A1, 2.588%, 02/25/2057 (C)(I)	75,157	76,033
Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (C)(I)	115,000	115,171
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2014-C19, Class XA IO 1.001%, 12/15/2047	1,053,783	31,714
Morgan Stanley Capital I Trust		
Series 2014-150E, Class A, 3.912%, 09/09/2032 (C)	610,000	656,722
Series 2014-MP, Class A, 3.469%, 08/11/2033 (C)	475,000	479,730
Series 2017-H1, Class XA IO, 1.419%, 06/15/2050	761,795	46,023
Mortgage Insurance-Linked Notes		
Series 2019-1, Class M1 (1 month LIBOR + 1.900%) 2.048%, 11/26/2029 (C)(E)	407,000	406,029
MTRO Commercial Mortgage Trust		
Series 2019-TECH, Class D (1 month LIBOR + 1.800%) 1.959%, 12/15/2033 (C)(E)	300,000	284,996
Natixis Commercial Mortgage Securities Trust		
Series 2019-1776, Class C 2.906%, 10/15/2036 (C)	185,000	185,489
New Residential Mortgage Loan Trust		
Series 2016-2A, Class A1, 3.750%, 11/26/2035 (C)(I)	312,546	331,468
Series 2016-4A, Class A1, 3.750%, 11/25/2056 (C)(I)	326,600	347,999
Series 2017-1A, Class A1, 4.000%, 02/25/2057 (C)(I)	589,473	637,069
Series 2017-2A, Class A3, 4.000%, 03/25/2057 (C)(I)	550,761	595,569
Series 2017-3A, Class A1, 4.000%, 04/25/2057 (C)(I)	432,198	459,613
Series 2017-4A, Class A1, 4.000%, 05/25/2057 (C)(I)	328,393	356,393
Series 2017-5A, Class A1 (1 month LIBOR + 1.500%), 1.648%, 06/25/2057 (C)(E)	326,858	330,734

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
New Residential Mortgage		
Loan Trust (continued)		
Series 2017-6A, Class A1, 4.000%, 08/27/2057 (C)(I)	\$ 503,134	\$ 543,450
Series 2018-1A, Class A1A, 4.000%, 12/25/2057 (C)(I)	212,742	230,048
Series 2018-4A, Class A1S (1 month LIBOR + 0.750%), 0.898%, 01/25/2048 (C)(E)	436,511	436,914
Series 2019-5A, Class A1B, 3.500%, 08/25/2059 (C)(I)	349,393	364,606
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(I)	192,339	195,910
Oaktown Re II, Ltd.		
Series 2018-1A, Class M1 (1 month LIBOR + 1.550%) 1.698%, 07/25/2028 (C)(E)	93,982	93,814
Oaktown Re III, Ltd.		
Series 2019-1A, Class M1A (1 month LIBOR + 1.400%) 1.548%, 07/25/2029 (C)(E)	32,514	32,518
OBX Trust		
Series 2019-INV1, Class A8 4.000%, 11/25/2048 (C)(I)	79,138	79,173
PMT Credit Risk Transfer Trust		
Series 2019-1R, Class A (1 month LIBOR + 2.000%) 2.145%, 03/27/2024 (C)(E)	237,304	218,510
PRPM LLC		
Series 2019-GS1, Class A1, 3.500%, 10/25/2024 (C)(I)	174,109	176,222
Series 2020-3, Class A1, 2.857%, 09/25/2025 (C)	444,990	448,617
Series 2020-6, Class A1, 2.363%, 11/25/2025 (C)	126,499	126,593
Radnor RE, Ltd.		
Series 2019-2, Class M1A (1 month LIBOR + 1.200%) 1.348%, 06/25/2029 (C)(E)	42,940	42,920
RALI Series Trust		
Series 2007-QH7, Class 1A1 (1 month LIBOR + 0.250%) 0.398%, 08/25/2037 (E)	62,726	57,191
Seasoned Credit Risk Transfer Trust		
Series 2019-3, Class MV 3.500%, 10/25/2058	128,148	142,951
SG Commercial Mortgage Securities Trust		
Series 2020-COVE, Class A 2.632%, 03/15/2037 (C)	645,000	665,029
Verus Securitization Trust		
Series 2019-2, Class A1 3.211%, 05/25/2059 (C)(I)	227,993	229,749
WaMu Mortgage Pass-Through Certificates		
Series 2007-HY6, Class 1A1 3.139%, 06/25/2037 (I)	17,428	16,357
Washington Mutual Mortgage Pass-Through Certificates		
Series 2006-5, Class 1A1 (1 month LIBOR + 0.600%) 0.748%, 07/25/2036 (E)	27,541	17,493

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Wells Fargo Commercial Mortgage Trust		
Series 2014-LC16, Class A5, 3.817%, 08/15/2050	\$ 310,000	\$ 336,310
Series 2015-NXS1, Class D, 4.146%, 05/15/2048 (I)	40,000	39,213
Series 2015-NXS1, Class XA IO, 1.095%, 05/15/2048	1,595,942	58,871
Series 2015-NXS3, Class XA IO, 0.901%, 09/15/2057	2,758,882	99,119
WF-RBS Commercial Mortgage Trust		
Series 2014-C19, Class A5 4.101%, 03/15/2047	304,634	335,200
		28,276,447
U.S. Government Agency – 4.0%		
Federal Home Loan Mortgage Corp.		
Series 2018-HRP1, Class M2 (1 month LIBOR + 1.650%), 1.798%, 04/25/2043 (C)(E)	86,357	84,944
Series 2019-DNA2, Class M2 (1 month LIBOR + 2.450%), 2.598%, 03/25/2049 (C)(E)	292,612	291,868
Series 2019-DNA3, Class M2 (1 month LIBOR + 2.050%), 2.198%, 07/25/2049 (C)(E)	247,241	245,860
Series 2019-HQA1, Class M2 (1 month LIBOR + 2.350%), 2.498%, 02/25/2049 (C)(E)	448,830	447,687
Series 2019-HQA3, Class M2 (1 month LIBOR + 1.850%), 1.998%, 09/25/2049 (C)(E)	180,853	178,560
Series 3883, Class PB, 3.000%, 05/15/2041	98,147	106,086
Series 4139, Class PA, 2.500%, 11/15/2041	351,751	368,109
Series K064, Class X1 IO, 0.605%, 03/25/2027	2,290,769	77,063
Series K068, Class A2, 3.244%, 08/25/2027	545,000	625,177
Series K104, Class X1 IO, 1.127%, 01/25/2030	1,323,445	116,160
Series K111, Class X1 IO, 1.572%, 05/25/2030	552,018	69,627
Series K114, Class X1 IO, 1.119%, 06/25/2030	1,604,233	147,305
Series K121, Class X1 IO, 1.029%, 10/25/2030	856,000	72,456
Series K122, Class X1 IO, 0.883%, 11/25/2030	480,000	35,737
Federal National Mortgage Association		
Series 2012-18, Class GA, 2.000%, 12/25/2041	147,657	152,531
Series 2012-21, Class PQ, 2.000%, 09/25/2041	78,963	81,303
Series 2012-52, Class PA, 3.500%, 05/25/2042	94,118	102,044
Series 2012-75, Class KC, 2.500%, 12/25/2041	147,985	152,643
Series 2014-C04, Class 1M2 (1 month LIBOR + 4.900%), 5.048%, 11/25/2024 (E)	91,112	93,460
Series 2015-48, Class QB, 3.000%, 02/25/2043	219,931	228,241

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2015-C04, Class 1M2 (1 month LIBOR + 5.700%), 5.848%, 04/25/2028 (E)	\$ 47,092	\$ 50,245
Series 2016-11, Class GA, 2.500%, 03/25/2046	150,401	157,897
Series 2016-38, Class NA, 3.000%, 01/25/2046	68,451	73,312
Series 2016-C02, Class 1M2 (1 month LIBOR + 6.000%), 6.148%, 09/25/2028 (E)	32,178	34,125
Series 2016-C07, Class 2M2 (1 month LIBOR + 4.350%), 4.498%, 05/25/2029 (E)	270,222	281,533
Series 2017-26, Class CG, 3.500%, 07/25/2044	209,236	219,357
Series 2017-34, Class JK, 3.000%, 05/25/2047	106,993	110,785
Series 2017-35, Class AH, 3.500%, 04/25/2053	255,464	263,894
Series 2017-49, Class JA, 4.000%, 07/25/2053	199,552	208,984
Series 2017-72, Class B, 3.000%, 09/25/2047	191,019	204,756
Series 2017-72, Class CD, 3.000%, 09/25/2047	198,981	213,713
Series 2017-84, Class KA, 3.500%, 04/25/2053	168,317	173,509
Series 2017-96, Class PA, 3.000%, 12/25/2054	267,030	280,519
Series 2017-C01, Class 1M2 (1 month LIBOR + 3.550%), 3.698%, 07/25/2029 (E)	168,005	172,884
Series 2018-19, Class DC, 3.500%, 05/25/2056	135,415	142,015
Series 2018-23, Class LA, 3.500%, 04/25/2048	209,033	226,875
Series 2018-38, Class PC, 3.500%, 03/25/2045	136,787	140,046
Series 2018-70, Class HA, 3.500%, 10/25/2056	217,549	232,719
Series 2018-72, Class BA, 3.500%, 07/25/2054	299,911	315,427
Series 2018-77, Class PA, 3.500%, 02/25/2048	85,998	90,235
Series 2018-80, Class GD, 3.500%, 12/25/2047	191,552	202,283
Series 2019-12, Class HA, 3.500%, 11/25/2057	256,005	275,693
Series 2019-14, Class CA, 3.500%, 04/25/2049	252,632	275,561
Series 2019-15, Class AB, 3.500%, 05/25/2053	256,382	270,003
Series 2019-28, Class JA, 3.500%, 06/25/2059	233,087	259,143
Series 2019-41, Class AC, 2.500%, 03/25/2053	273,998	283,269
Series 2019-45, Class PT, 3.000%, 08/25/2049	324,052	348,854
Series 2019-7, Class CA, 3.500%, 11/25/2057	224,325	242,659
Series 2019-7, Class JA, 3.500%, 03/25/2049	230,021	247,692

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 2.298%, 11/25/2039 (C)(E)	\$ 148,784	\$ 146,509
Series 2019-R03, Class 1M2 (1 month LIBOR + 2.150%), 2.298%, 09/25/2031 (C)(E)	151,287	151,103
Series 2019-R04, Class 2M2 (1 month LIBOR + 2.100%), 2.248%, 06/25/2039 (C)(E)	227,864	227,351
Series 415, Class A3, 3.000%, 11/25/2042	239,841	256,581
Government National		
Mortgage Association		
Series 2006-38, Class XS IO, 7.097%, 09/16/2035	41,307	5,198
Series 2013-37, Class LG, 2.000%, 01/20/2042	201,944	207,312
		10,668,902
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$38,191,729)		\$ 38,945,349
ASSET BACKED SECURITIES – 7.8%		
AASET Trust		
Series 2020-1A, Class A 3.351%, 01/16/2040 (C)	237,716	223,764
ABFC Trust		
Series 2006-HE1, Class A2D (1 month LIBOR + 0.220%) 0.368%, 01/25/2037 (E)	118,532	84,203
Affirm Asset Securitization Trust		
Series 2020-Z1, Class A 3.460%, 10/15/2024 (C)	169,680	172,349
Series 2020-Z2, Class A 1.900%, 01/15/2025 (C)	364,001	363,750
AmeriCredit Automobile Receivables Trust		
Series 2019-3, Class D 2.580%, 09/18/2025	295,000	306,169
Atrium XII		
Series 12A, Class AR (3 month LIBOR + 0.830%) 1.046%, 04/22/2027 (C)(E)	730,744	728,479
Avery Point IV CLO, Ltd.		
Series 2014-1A, Class AR (3 month LIBOR + 1.100%) 1.315%, 04/25/2026 (C)(E)	91,277	91,290
Bayview Koitere Fund Trust		
Series 2017-RT4, Class A 3.500%, 07/28/2057 (C)(I)	435,156	450,467
Series 2017-SPL3, Class A 4.000%, 11/28/2053 (C)(I)	173,928	181,115
Bayview Mortgage Fund IVc Trust		
Series 2017-RT3, Class A 3.500%, 01/28/2058 (C)(I)	302,882	306,579
Bayview Opportunity Master Fund IVa Trust		
Series 2017-SPL1, Class A 4.000%, 10/28/2064 (C)(I)	383,988	399,427
Series 2017-SPL5, Class A 3.500%, 06/28/2057 (C)(I)	227,414	235,137

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Bayview Opportunity Master Fund IVb Trust		
Series 2017-SPL4, Class A 3.500%, 01/28/2055 (C)(I)	\$ 188,169	\$ 192,674
CF Hippolyta LLC		
Series 2020-1, Class A2 1.990%, 07/15/2060 (C)	137,804	139,545
Citigroup Mortgage Loan Trust		
Series 2019-E, Class A1 3.228%, 11/25/2070 (C)	249,794	251,004
Domino's Pizza Master Issuer LLC		
Series 2018-1A, Class A2I 4.116%, 07/25/2048 (C)	361,675	379,788
Series 2019-1A, Class A2 3.668%, 10/25/2049 (C)	173,250	184,028
Drive Auto Receivables Trust		
Series 2019-4, Class D 2.700%, 02/16/2027	255,000	263,028
Exeter Automobile Receivables Trust		
Series 2019-4A, Class D 2.580%, 09/15/2025 (C)	570,000	586,206
Series 2020-1A, Class D 2.730%, 12/15/2025 (C)	170,000	176,345
First Franklin Mortgage Loan Trust		
Series 2006-FF12, Class A5 (1 month LIBOR + 0.310%) 0.458%, 09/25/2036 (E)	240,000	206,363
GSAA Home Equity Trust		
Series 2006-10, Class AF3 5.985%, 06/25/2036 (I)	157,450	63,473
Series 2006-15, Class AF6 5.876%, 09/25/2036	391,108	163,376
Series 2006-20, Class 2A1A (1 month LIBOR + 0.100%) 0.248%, 12/25/2046 (E)	266,569	168,114
GSAA Trust		
Series 2005-7, Class AF4 5.058%, 05/25/2035	248,809	248,509
GSAMP Trust		
Series 2007-FM2, Class A2B (1 month LIBOR + 0.090%) 0.238%, 01/25/2037 (E)	226,832	164,498
LCM XX LP		
Series 2020-A, Class AR (3 month LIBOR + 1.040%) 1.258%, 10/20/2027 (C)(E)	490,000	489,304
Legacy Mortgage Asset Trust		
Series 2018-GS1, Class A1 4.000%, 03/25/2058 (C)	753,323	755,890
Madison Park Funding XII, Ltd.		
Series 2014-12A, Class B1R (3 month LIBOR + 1.650%) 1.868%, 07/20/2026 (C)(E)	530,000	530,039
New Residential Mortgage Loan Trust		
Series 2020-NPL2, Class A1 3.228%, 08/25/2060 (C)	90,316	90,973
NRZ Excess Spread-Collateralized Notes		
Series 2018-FNT2, Class A 3.790%, 07/25/2054 (C)	564,806	565,458
Series 2020-PLS1, Class A 3.844%, 12/25/2025 (C)	100,000	100,037
OCP CLO, Ltd.		
Series 2015-9A, Class A1R (3 month LIBOR + 0.800%) 1.037%, 07/15/2027 (C)(E)	298,763	298,468

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
OneMain Financial Issuance Trust Series 2017-1A, Class A1 2.370%, 09/14/2032 (C)	\$ 166,995	\$ 167,214
OZLM XII, Ltd. Series 2015-12A, Class A1R (3 month LIBOR + 1.050%) 1.264%, 04/30/2027 (C)(E)	870,200	869,192
Palmer Square Loan Funding, Ltd. Series 2018-5A, Class A1 (3 month LIBOR + 0.850%) 1.068%, 01/20/2027 (C)(E)	370,021	369,430
Pretium Mortgage Credit Partners I LLC Series 2019-CFL1, Class A1 3.721%, 01/25/2059 (C)	326,410	326,260
Series 2020-NPL1, Class A1 2.858%, 05/27/2059 (C)	458,714	460,522
Santander Drive Auto Receivables Trust Series 2020-4, Class D 1.480%, 01/15/2027	75,000	75,730
Securitized Asset Backed Receivables LLC Trust Series 2006-HE1, Class A2B (1 month LIBOR + 0.180%) 0.328%, 07/25/2036 (E)	138,342	66,213
Shackleton VIII CLO, Ltd. Series 2015-8A, Class A1R (3 month LIBOR + 0.920%) 1.138%, 10/20/2027 (C)(E)	1,158,154	1,154,712
SoFi Consumer Loan Program LLC Series 2017-3, Class A 2.770%, 05/25/2026 (C)	5,573	5,589
Series 2017-4, Class A 2.500%, 05/26/2026 (C)	15,782	15,841
Soundview Home Loan Trust Series 2007-OPT2, Class 2A3 (1 month LIBOR + 0.180%) 0.328%, 07/25/2037 (E)	33,157	31,492
Springleaf Funding Trust Series 2017-AA, Class A 2.680%, 07/15/2030 (C)	548,568	549,627
Summit Issuer LLC Series 2020-1A, Class A2 2.290%, 12/20/2050 (C)	155,000	155,031
TICP CLO III-2, Ltd. Series 2018-3R, Class A (3 month LIBOR + 0.840%) 1.058%, 04/20/2028 (C)(E)	374,333	373,334
Towd Point Mortgage Trust Series 2015-3, Class A1B 3.000%, 03/25/2054 (C)(I)	5,183	5,201
Series 2015-4, Class A1B 2.750%, 04/25/2055 (C)(I)	26,119	26,204
Series 2016-2, Class A1A 2.750%, 08/25/2055 (C)(I)	152,048	153,751
Series 2016-3, Class A1 2.250%, 04/25/2056 (C)(I)	168,306	169,903
Series 2017-1, Class A1 2.750%, 10/25/2056 (C)(I)	524,205	537,261
Series 2017-2, Class A1 2.750%, 04/25/2057 (C)(I)	133,360	136,331
Series 2017-3, Class A1 2.750%, 07/25/2057 (C)(I)	249,522	256,927
Series 2017-4, Class A1 2.750%, 06/25/2057 (C)(I)	396,845	411,223
Series 2017-5, Class A1 (1 month LIBOR + 0.600%) 0.748%, 02/25/2057 (C)(E)	283,126	282,219

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Venture XXI CLO, Ltd. Series 2015-21A, Class AR (3 month LIBOR + 0.880%) 1.117%, 07/15/2027 (C)(E)	\$ 668,915	\$ 667,114
Vericrest Opportunity Loan Trust Series 2019-NPL7, Class A1A 3.179%, 10/25/2049 (C)	173,565	173,741
Series 2019-NPL8, Class A1A 3.278%, 11/25/2049 (C)	368,040	368,206
Verus Securitization Trust Series 2020-NPL1, Class A1 3.598%, 08/25/2050 (C)	313,786	316,116
VOLT LXXX LLC Series 2019-NPL6, Class A1A 3.228%, 10/25/2049 (C)	502,724	503,432
VOLT LXXXIII LLC Series 2019-NPL9, Class A1A 3.327%, 11/26/2049 (C)	147,315	147,737
VOLT LXXXIV LLC Series 2019-NP10, Class A1A 3.426%, 12/27/2049 (C)	387,135	388,095
Voya CLO, Ltd. Series 2015-1A, Class A1R (3 month LIBOR + 0.900%) 1.118%, 01/18/2029 (C)(E)	790,000	785,133
Wendy's Funding LLC Series 2018-1A, Class A2II 3.884%, 03/15/2048 (C)	227,950	241,875
Westlake Automobile Receivables Trust Series 2017-2A, Class D 3.280%, 12/15/2022 (C)	305,722	306,621
Series 2019-3A, Class D 2.720%, 11/15/2024 (C)	420,000	431,334
Series 2020-3A, Class D 1.650%, 02/17/2026 (C)	215,000	217,566
Wingstop Funding LLC Series 2020-1A, Class A2 2.841%, 12/05/2050 (C)	100,000	102,027
TOTAL ASSET BACKED SECURITIES (Cost \$20,791,969)		\$ 20,808,053
COMMON STOCKS – 0.0%		
Energy – 0.0% Foresight Energy LLC (J)	895	7,606
TOTAL COMMON STOCKS (Cost \$119,522)		\$ 7,606
SHORT-TERM INVESTMENTS – 5.1%		
Foreign government – 2.0%		
Japan Treasury Discount Bill (0.088)%, 03/15/2021 *	JPY 547,450,000	5,302,990
Short-term funds – 0.4%		
John Hancock Collateral Trust, 0.1386% (K)(L)	112,467	1,125,357
Repurchase agreement – 2.7%		
Deutsche Bank Tri-Party Repurchase Agreement dated 12-31-20 at 0.070% to be repurchased at \$7,100,055 on 1-4-21, collateralized by \$7,242,100 U.S. Treasury Bills, 0.000% due 1-7-21 (valued at \$7,242,028)	\$ 7,100,000	7,100,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$13,480,502)		\$ 13,528,347
Total Investments (Investment Quality Bond Trust) (Cost \$323,577,276) – 127.7%		\$ 339,794,013
Other assets and liabilities, net – (27.7%)		(73,645,155)
TOTAL NET ASSETS – 100.0%		\$ 266,148,858

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

Currency Abbreviations

ARS	Argentine Peso
AUD	Australian Dollar
EUR	Euro
ILS	Israeli New Shekel
JPY	Japanese Yen
MXN	Mexican Peso

Security Abbreviations and Legend

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 \$70,602,210 or 26.5% of the fund's net assets as of 12-31-20.

Investment Quality Bond Trust (continued)

(D)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(E)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(F)	All or a portion of this security is on loan as of 12-31-20.
(G)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(H)	This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).
(I)	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.
(J)	Non-income producing security.
(K)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
10-Year Australian Treasury Bond Futures	5	Long	Mar 2021	\$566,442	\$567,306	\$864
10-Year U.S. Treasury Note Futures	16	Long	Mar 2021	2,206,785	2,209,250	2,465
2-Year U.S. Treasury Note Futures	56	Long	Mar 2021	12,363,572	12,374,707	11,135
5-Year U.S. Treasury Note Futures	47	Long	Mar 2021	5,917,329	5,929,711	12,382
Euro-Buxl Futures	1	Short	Mar 2021	(273,379)	(275,164)	(1,785)
U.K. Long Gilt Bond Futures	6	Short	Mar 2021	(1,103,115)	(1,112,106)	(8,991)
U.S. Treasury Long Bond Futures	42	Short	Mar 2021	(7,294,259)	(7,273,875)	20,384
Ultra U.S. Treasury Bond Futures	40	Short	Mar 2021	(8,657,861)	(8,542,500)	115,361
Ultra U.S. Treasury Bond Futures	35	Short	Mar 2021	(5,489,467)	(5,472,578)	16,889
						\$168,704

[^] 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
GBP 31,000	USD 41,341	GSI	3/17/2021	\$1,070	—
USD 338,919	AUD 450,000	GSI	3/17/2021	—	\$(8,215)
USD 138,530	EUR 114,000	SSB	1/29/2021	—	(820)
USD 2,264,441	EUR 1,862,000	BNP	3/17/2021	—	(13,969)
USD 41,515	GBP 31,000	MSI	3/17/2021	—	(897)
USD 725,855	ILS 2,359,000	NWM	3/17/2021	—	(9,180)
USD 5,278,026	JPY 547,450,000	JPM	3/15/2021	—	(28,133)
USD 272,467	MXN 5,530,000	GSI	6/10/2021	—	(488)
				\$1,070	\$(61,702)

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

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
BOA	11,100,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.745%	Quarterly	Quarterly	Dec 2025	—	\$7,199	\$7,199
BOA	783,170,000	KRW	KRW CD KSDA Bloomberg	Fixed 1.200%	Quarterly	Quarterly	Dec 2030	\$875	(5,744)	(4,869)
BOA	793,505,000	KRW	KRW CD KSDA Bloomberg	Fixed 1.200%	Quarterly	Quarterly	Dec 2030	1,944	(6,877)	(4,933)
								\$2,819	\$(5,422)	\$(2,603)
Centrally cleared	2,155,000	USD	Fixed 0.075%	USD Compounded SOFR	Annual	Annual	Aug 2025	(232)	13,303	13,071
Centrally cleared	4,935,000	USD	Fixed 0.750%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2030	(17,621)	97,690	80,069
Centrally cleared	2,460,000	USD	Fixed 1.160%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2040	—	68,725	68,725
Centrally cleared	1,605,000	USD	Fixed 0.810%	USD LIBOR BBA	Semi-Annual	Quarterly	Sep 2050	4,982	234,714	239,696
								\$(12,871)	\$414,432	\$401,561
								\$(10,052)	\$409,010	\$398,958

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
GSI	CMBX.NA.AAA.12	1,360,000	USD	\$1,360,000	0.500%	Monthly	Aug 2061	\$24,567	\$(34,581)	\$(10,014)
GSI	CMBX.NA.AAA.12	335,000	USD	335,000	0.500%	Monthly	Aug 2061	794	(3,265)	(2,471)
GSI	CMBX.NA.AAA.12	790,000	USD	790,000	0.500%	Monthly	Aug 2061	(2,814)	(3,014)	(5,828)
				\$2,485,000				\$22,547	\$(40,860)	\$(18,313)
Centrally cleared	CDX.NA.HY.35	1,195,000	USD	1,195,000	5.000%	Quarterly	Dec 2025	(92,755)	(20,195)	(112,950)
Centrally cleared	CDX.NA.IG.35	970,000	USD	970,000	1.000%	Quarterly	Dec 2025	(20,876)	(3,181)	(24,057)
				\$2,165,000				\$(113,631)	\$(23,376)	\$(137,007)
				\$4,650,000				\$(91,084)	\$(64,236)	\$(155,320)

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
DB	CMBX.NA.BBB-6	22.769%	110,000	USD	\$110,000	3.000%	Monthly	May 2063	\$(17,467)	\$(11,944)	\$(29,411)
GSI	CMBX.NA.BBB-6	22.769%	140,000	USD	140,000	3.000%	Monthly	May 2063	(22,077)	(15,355)	(37,432)
GSI	CMBX.NA.BBB-6	22.769%	1,335,000	USD	1,335,000	3.000%	Monthly	May 2063	(80,887)	(275,829)	(356,716)
GSI	CMBX.NA.BBB-6	22.769%	1,390,000	USD	1,390,000	3.000%	Monthly	May 2063	(85,108)	(286,304)	(371,412)
MSI	CMBX.NA.BBB-6	2.025%	255,000	USD	255,000	3.000%	Monthly	May 2063	(39,137)	(29,042)	(68,179)
MSI	CMBX.NA.BBB-6	0.454%	130,000	USD	130,000	3.000%	Monthly	May 2063	(20,285)	(14,473)	(34,758)
MSI	CMBX.NA.BBB-6	22.769%	115,000	USD	115,000	3.000%	Monthly	May 2063	(18,287)	(12,460)	(30,747)
MSI	CMBX.NA.BBB-6	22.769%	69,000	USD	69,000	3.000%	Monthly	May 2063	(10,978)	(7,470)	(18,448)
					\$3,544,000				\$(294,226)	\$(652,877)	\$(947,103)
Centrally cleared	CDX.EM.34	1.498%	6,690,000	USD	6,690,000	1.000%	Quarterly	Dec 2025	(414,521)	257,965	(156,556)
					\$6,690,000				\$(414,521)	\$257,965	\$(156,556)
					\$10,234,000				\$(708,747)	\$(394,912)	\$(1,103,659)

Derivatives Currency Abbreviations

AUD	Australian Dollar
CNY	Chinese Yuan Renminbi
EUR	Euro
GBP	Pound Sterling
ILS	Israeli New Shekel
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
USD	U.S. Dollar

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

Derivatives Abbreviations

BBA	The British Banker's Association
BNP	BNP Paribas
BOA	Bank of America, N.A.
CNREPOFIX	China Fixing Repo Rate
DB	Deutsche Bank AG
GSI	Goldman Sachs International
JPM	JPMorgan Chase Bank, N.A.
KSDA	Korea Securities Dealers Association
LIBOR	London Interbank Offered Rate
MSI	Morgan Stanley & Co. International PLC
NWM	NatWest Markets PLC
OTC	Over-the-counter
SOFR	Secured Overnight Financing Rate
SSB	State Street Bank and Trust Company

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

Money Market Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT – 23.4%		
U.S. Cash Management Bill		
0.091%, 03/16/2021	\$ 35,885,600	\$ 35,878,961
U.S. Treasury Bill		
0.066%, 01/05/2021	36,233,500	36,233,238
0.071%, 01/26/2021	143,730,500	143,723,513
0.074%, 01/28/2021	10,506,100	10,505,525
0.074%, 01/19/2021	18,288,200	18,287,537
0.076%, 01/05/2021	35,885,600	35,885,301
0.081%, 02/04/2021	27,991,100	27,988,985
0.086%, 02/04/2021	25,764,800	25,762,732
0.091%, 04/22/2021	17,942,800	17,937,821
U.S. Treasury Note		
0.082%, 03/15/2021	18,169,700	18,253,739
0.087%, 03/31/2021	32,700,000	32,872,948
0.089%, 02/15/2021	30,861,600	30,995,000
0.094%, 01/31/2021	55,848,200	55,906,461
0.097%, 08/15/2021	11,052,900	11,232,803
0.122%, (3 month USBMMY + 0.154%), 01/31/2022 (A)	6,500,000	6,509,193
0.135%, 06/30/2021	30,049,900	30,347,241
0.152%, (3 month USBMMY + 0.055%), 07/31/2022 (A)	10,000,000	10,000,000
0.271%, (3 month USBMMY + 0.300%), 10/31/2021 (A)	7,252,800	7,260,592
0.493%, 02/28/2021	5,000,000	5,016,097
TOTAL U.S. GOVERNMENT (Cost \$560,597,687)		\$ 560,597,687
U.S. GOVERNMENT AGENCY – 65.8%		
Federal Agricultural Mortgage Corp.		
0.081%, 01/28/2021	36,008,000	36,005,840
0.122%, (3 month LIBOR - 0.100%), 05/13/2021 (A)	18,456,000	18,456,000
0.132%, (SOFR + 0.040%), 09/28/2021 (A)	40,000,000	40,000,000
0.142%, (SOFR + 0.050%), 01/27/2021 (A)	18,409,000	18,409,000
0.150%, (1 month LIBOR), 07/28/2021 (A)	36,845,000	36,845,000
0.164%, (1 month LIBOR + 0.010%), 06/04/2021 (A)	17,000,000	17,000,000
0.167%, (SOFR + 0.075%), 04/26/2021 (A)	14,710,000	14,710,000
0.172%, (SOFR + 0.110%), 06/24/2021 (A)	7,341,000	7,342,066
0.175%, 05/14/2021	4,997,000	5,043,719

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Agricultural Mortgage Corp. (continued)		
0.193%, (SOFR + 0.100%), 08/23/2021 (A)	\$ 10,000,000	\$ 10,000,000
0.203%, (SOFR + 0.100%), 04/01/2021 (A)	12,000,000	12,000,000
0.218%, (1 month LIBOR + 0.060%), 04/01/2021 (A)	7,484,000	7,484,000
0.457%, 02/25/2021	7,470,000	7,464,864
Federal Farm Credit Bank		
0.090%, 12/29/2021	7,237,000	7,237,000
0.102%, (3 month LIBOR - 0.100%), 05/28/2021 (A)	7,486,000	7,486,721
0.112%, 01/19/2021	7,308,000	7,307,598
0.112%, 01/21/2021	14,625,000	14,624,106
0.112%, 02/08/2021	29,312,000	29,308,597
0.112%, (1 month LIBOR - 0.010%), 06/02/2021 (A)	1,591,000	1,591,220
0.141%, (1 month LIBOR + 0.075%), 03/29/2021 (A)	2,953,000	2,953,600
0.146%, (Prime rate - 3.105%), 02/14/2022 (A)	14,662,000	14,662,209
0.152%, (SOFR + 0.100%), 01/05/2021 (A)	1,471,000	1,471,007
0.153%, (1 month LIBOR + 0.015%), 03/17/2021 (A)	2,224,000	2,224,075
0.155%, (1 month LIBOR), 12/22/2021 (A)	7,258,000	7,257,324
0.157%, (Prime rate - 3.100%), 03/15/2022 (A)	7,306,000	7,305,537
0.157%, (Prime rate - 3.095%), 04/20/2022 (A)	28,319,000	28,319,000
0.160%, (U.S. Federal Funds Effective Rate + 0.085%), 03/10/2021 (A)	29,718,000	29,718,942
0.167%, (3 month USBMMY + 0.270%), 05/16/2022 (A)	8,918,000	8,942,770
0.167%, (3 month USBMMY + 0.100%), 01/18/2022 (A)	3,290,000	3,291,045
0.167%, (SOFR + 0.075%), 11/03/2022 (A)	7,362,000	7,362,000
0.172%, (SOFR + 0.080%), 10/14/2022 (A)	5,862,000	5,862,000
0.176%, (1 month LIBOR + 0.025%), 01/22/2021 (A)	3,773,000	3,772,990
0.180%, (1 month LIBOR + 0.030%), 05/03/2021 (A)	11,103,000	11,103,000

John Hancock Variable Insurance Trust

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

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Farm Credit Bank (continued)		
0.183%, 02/18/2021	\$ 32,899,000	\$ 32,891,104
0.183%, (SOFR + 0.090%), 07/15/2021 (A)	18,472,000	18,472,000
0.183%, (SOFR + 0.090%), 09/23/2022 (A)	7,315,000	7,315,000
0.184%, (3 month LIBOR), 11/16/2021 (A)	892,000	892,315
0.188%, (U.S. Federal Funds Effective Rate + 0.095%), 07/26/2021 (A)	15,093,000	15,093,000
0.189%, (1 month LIBOR + 0.035%), 01/19/2021 (A)	7,529,000	7,529,000
0.192%, (1 month LIBOR + 0.035%), 05/13/2021 (A)	11,650,000	11,650,000
0.193%, (3 month LIBOR + 0.010%), 09/20/2021 (A)	3,520,000	3,521,500
0.194%, 07/13/2021	8,476,000	8,475,328
0.203%, (SOFR + 0.110%), 05/27/2021 (A)	14,743,000	14,743,000
0.218%, (U.S. Federal Funds Effective Rate + 0.120%), 02/09/2021 (A)	7,814,000	7,813,959
0.220%, (1 month LIBOR + 0.270%), 05/25/2021 (A)	3,702,000	3,704,981
0.222%, (1 month LIBOR + 0.160%), 01/25/2021 (A)	758,000	758,045
0.223%, (Prime rate - 3.030%), 06/23/2021 (A)	14,000,000	14,000,000
0.227%, (1 month LIBOR + 0.030%), 11/02/2021 (A)	2,321,000	2,320,195
0.231%, (1 month LIBOR + 0.080%), 07/26/2021 (A)	366,000	366,001
0.231%, (1 month LIBOR + 0.080%), 08/25/2021 (A)	11,191,000	11,191,000
0.235%, (1 month LIBOR + 0.010%), 03/12/2021 (A)	758,000	757,900
0.238%, (1 month LIBOR + 0.110%), 09/24/2021 (A)	366,000	366,051
0.238%, (1 month LIBOR + 0.160%), 07/01/2021 (A)	366,000	366,148
0.238%, (SOFR + 0.145%), 07/28/2022 (A)	3,670,000	3,670,000
0.242%, (1 month LIBOR + 0.010%), 04/19/2021 (A)	758,000	757,825
0.243%, (Prime rate - 3.010%), 06/07/2021 (A)	11,394,000	11,394,000
0.259%, (3 month USBMMY + 0.160%), 01/19/2021 (A)	7,783,000	7,783,000
0.262%, (1 month LIBOR + 0.110%), 03/25/2021 (A)	7,481,000	7,481,000
0.262%, (1 month LIBOR + 0.110%), 12/10/2021 (A)	11,097,000	11,097,000
0.311%, (3 month USBMMY + 0.290%), 04/11/2022 (A)	15,382,000	15,397,569
0.316%, (1 month LIBOR + 0.160%), 10/04/2021 (A)	4,480,000	4,480,000
0.319%, (3 month USBMMY + 0.140%), 05/28/2021 (A)	7,338,000	7,335,621
0.334%, (Prime rate - 3.030%), 09/03/2021 (A)	7,271,000	7,265,575
0.446%, 02/24/2021	11,152,000	11,144,640
0.477%, (SOFR + 0.380%), 04/22/2022 (A)	7,376,000	7,376,000
0.487%, 02/17/2021	11,149,000	11,142,013
0.527%, 01/15/2021	18,661,000	18,657,226
Federal Home Loan Bank (0.191%), (3 month LIBOR - 0.170%), 01/08/2021 (A)	18,410,000	18,410,889

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Home Loan Bank (continued)		
0.066%, (3 month LIBOR - 0.105%), 08/04/2021 (A)	\$ 13,270,000	\$ 13,273,948
0.068%, 07/14/2021	1,840,000	1,850,154
0.074%, 01/08/2021	48,489,000	48,488,310
0.076%, 01/11/2021	21,591,000	21,590,550
0.076%, 03/12/2021	18,104,000	18,101,360
0.079%, 07/07/2021	735,000	741,669
0.079%, 02/05/2021	92,687,000	92,679,967
0.081%, 02/23/2021	35,933,000	35,928,768
0.081%, 01/22/2021	36,576,000	36,574,293
0.081%, 02/04/2021	17,983,000	17,981,641
0.082%, 02/17/2021	78,088,000	78,079,748
0.083%, 01/06/2021	22,735,000	22,734,741
0.083%, (3 month LIBOR - 0.135%), 01/04/2021 (A)	42,395,000	42,395,059
0.087%, (3 month LIBOR - 0.135%), 04/14/2021 (A)	14,625,000	14,625,137
0.091%, (3 month LIBOR - 0.170%), 01/06/2021 (A)	36,805,000	36,804,867
0.105%, 05/12/2021	36,788,000	36,774,078
0.106%, 01/15/2021	29,292,000	29,290,804
0.112%, (SOFR + 0.020%), 01/29/2021 (A)	7,345,000	7,345,000
0.112%, (1 month LIBOR - 0.025%), 08/27/2021 (A)	36,835,000	36,837,948
0.116%, 10/12/2021	2,605,000	2,663,747
0.122%, (SOFR + 0.055%), 05/14/2021 (A)	18,370,000	18,371,701
0.127%, (SOFR + 0.035%), 12/10/2021 (A)	7,365,000	7,365,000
0.138%, 09/17/2021	14,180,000	14,178,811
0.141%, 06/11/2021	4,580,000	4,622,711
0.145%, 09/10/2021	930,000	948,580
0.147%, 11/22/2021	2,580,000	2,580,000
0.152%, (SOFR + 0.060%), 11/23/2022 (A)	18,370,000	18,370,000
0.152%, (SOFR + 0.060%), 12/16/2022 (A)	10,000,000	10,000,000
0.154%, (1 month LIBOR - 0.010%), 03/26/2021 (A)	2,205,000	2,204,928
0.156%, 07/02/2021	11,045,000	11,043,229
0.162%, (SOFR + 0.050%), 01/22/2021 (A)	10,745,000	10,744,876
0.179%, (3 month LIBOR - 0.095%), 09/13/2021 (A)	7,735,000	7,732,165
0.183%, 03/16/2021	1,305,000	1,308,783
0.183%, (SOFR + 0.090%), 08/12/2022 (A)	14,640,000	14,640,000
0.188%, 05/26/2021	18,485,000	18,471,226
0.191%, 03/16/2021	920,000	920,584
0.196%, 06/11/2021	1,745,000	1,786,869
0.198%, (SOFR + 0.160%), 05/07/2021 (A)	14,760,000	14,762,846
0.202%, (1 month LIBOR + 0.050%), 05/20/2021 (A)	3,950,000	3,950,035
0.204%, 02/04/2021	3,555,000	3,559,251
0.457%, 03/08/2021	7,422,000	7,415,877
1.154%, 03/02/2021	1,605,000	1,605,280
Federal Home Loan Mortgage Corp.		
0.206%, 02/16/2021	8,005,000	8,026,685
0.243%, (SOFR + 0.150%), 03/04/2022 (A)	7,426,000	7,426,000
Federal National Mortgage Association		
0.107%, 04/13/2021	8,753,000	8,811,957
0.203%, (SOFR + 0.075%), 06/04/2021 (A)	8,857,000	8,855,672

John Hancock Variable Insurance Trust

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

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal National		
Mortgage Association (continued)		
0.217%, 02/26/2021	\$ 8,371,000	\$ 8,385,763
0.274%, (SOFR + 0.350%), 04/07/2022 (A)	4,411,000	4,420,578
0.284%, (SOFR + 0.190%), 05/19/2022 (A)	14,746,000	14,746,000
0.294%, (SOFR + 0.200%), 06/15/2022 (A)	6,000,000	6,000,000
U.S. Department of Housing and Urban Development		
0.116%, 08/01/2021	4,788,000	4,848,976
TOTAL U.S. GOVERNMENT AGENCY (Cost \$1,581,046,287)		\$ 1,581,046,287
REPURCHASE AGREEMENT – 11.0%		
Barclays Tri-Party Repurchase Agreement dated 12-31-20 at 0.050% to be repurchased at \$264,901,472 on 1-4-21, collateralized by \$98,311,400 U.S. Treasury Bonds, 2.500% due 2-15-46 (valued at \$117,968,175) and \$142,754,900 U.S. Treasury Notes, 1.875% due 8-31-24 (valued at \$152,231,407)		
	264,900,000	264,900,000
TOTAL REPURCHASE AGREEMENT (Cost \$264,900,000)		\$ 264,900,000
Total Investments (Money Market Trust) (Cost \$2,406,543,974) – 100.2%		\$ 2,406,543,974
Other assets and liabilities, net – (0.2%)		(4,354,686)
TOTAL NET ASSETS – 100.0%		\$ 2,402,189,288

Security Abbreviations and Legend

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

Opportunistic Fixed Income Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.4%		
U.S. Government Agency - 1.4%		
Federal National Mortgage Association		
1.500%, TBA (A)	\$ 950,000	\$ 977,850
2.000%, TBA (A)	1,775,000	1,851,277
		2,829,127
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,815,688)		\$ 2,829,127
FOREIGN GOVERNMENT OBLIGATIONS - 46.4%		
Argentina - 0.3%		
Republic of Argentina		
1.000%, 07/09/2029	34,723	15,018
(0.125% to 7-9-21, then 1.125% to 7-9-22, then 1.500% to 7-9-23, then 3.625% to 7-9-24, then 4.125% to 7-9-27, then 4.750% to 7-9-28, then 5.000% thereafter), 07/09/2035	1,534,439	560,070
		575,088
Australia - 2.5%		
Commonwealth of Australia		
3.000%, 03/21/2047	AUD 5,175,000	4,898,432

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Bahrain - 0.1%		
Kingdom of Bahrain		
7.000%, 10/12/2028	\$ 200,000	\$ 231,361
Brazil - 0.4%		
Federative Republic of Brazil		
10.000%, 01/01/2025	BRL 3,425,000	762,364
Canada - 2.1%		
Government of Canada		
2.750%, 12/01/2048	CAD 1,180,000	1,273,684
3.000%, 12/01/2036	734,179	905,793
4.000%, 12/01/2031	428,768	515,472
4.250%, 12/01/2026	1,393,188	1,445,823
		4,140,772
Chile - 0.2%		
Republic of Chile		
0.830%, 07/02/2031	EUR 155,000	197,622
5.000%, 03/01/2035	CLP 150,000,000	259,887
		457,509
Colombia - 1.3%		
Republic of Colombia		
3.875%, 03/22/2026	EUR 1,070,000	1,492,347
6.000%, 04/28/2028	COP 1,509,800,000	473,092
6.125%, 01/18/2041	\$ 125,000	167,500
7.375%, 09/18/2037	235,000	342,806
		2,475,745
Czech Republic - 0.2%		
Czech Republic		
0.250%, 02/10/2027	CZK 7,980,000	354,641
Germany - 2.5%		
Federal Republic of Germany, Inflation Linked Bond		
0.100%, 04/15/2026	EUR 358,142	475,050
0.500%, 04/15/2030	2,999,466	4,399,525
		4,874,575
Greece - 0.8%		
Republic of Greece, GDP-Linked Note		
4.044%, 10/15/2042 (B)*	409,185,000	1,559,628
Hungary - 0.2%		
Republic of Hungary		
2.750%, 12/22/2026	HUF 86,080,000	311,660
Iceland - 2.0%		
Republic of Iceland		
5.000%, 11/15/2028	ISK 433,770,000	3,871,613
Indonesia - 4.0%		
Republic of Indonesia		
1.400%, 10/30/2031	EUR 380,000	479,275
6.625%, 02/17/2037	\$ 135,000	191,893
7.000%, 05/15/2027 to 09/15/2030	IDR 29,800,000,000	2,291,194
7.750%, 01/17/2038	\$ 200,000	313,972
8.250%, 05/15/2029	IDR 11,210,000,000	918,019
8.375%, 03/15/2034	43,779,000,000	3,628,865
		7,823,218
Israel - 2.1%		
State of Israel		
1.000%, 03/31/2030	ILS 3,170,000	1,013,607
3.750%, 03/31/2047	7,280,000	3,228,306
		4,241,913
Japan - 5.4%		
Government of Japan		
0.400%, 03/20/2050	JPY 68,800,000	625,417

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Japan (continued)			
Government of Japan, CPI Linked Bond 0.100%, 03/10/2028	JPY	1,044,790,056	\$ 10,139,791 10,765,208
Macedonia - 0.1%			
Republic of Macedonia 3.675%, 06/03/2026	EUR	200,000	273,326
Malaysia - 0.3%			
Government of Malaysia 3.900%, 11/30/2026	MYR	2,300,000	621,218
Mexico - 4.8%			
Government of Mexico 1.125%, 01/17/2030	EUR	175,000	212,395
2.875%, 04/08/2039		530,000	703,177
3.000%, 03/06/2045		250,000	338,121
3.375%, 02/23/2031		370,000	532,273
3.625%, 04/09/2029		550,000	792,517
5.625%, 03/19/2114	GBP	100,000	154,938
7.500%, 06/03/2027	MXN	14,110,200	806,812
8.000%, 11/07/2047		100,923,000	5,985,391
			9,525,624
Morocco - 0.3%			
Kingdom of Morocco 1.500%, 11/27/2031	EUR	160,000	190,125
2.000%, 09/30/2030		310,000	383,070
			573,195
Oman - 0.1%			
Sultanate of Oman 4.750%, 06/15/2026	\$	200,000	199,638
Panama - 0.3%			
Republic of Panama 3.870%, 07/23/2060		200,000	235,500
8.875%, 09/30/2027		195,000	281,288
			516,788
Paraguay - 0.1%			
Republic of Paraguay 5.600%, 03/13/2048		200,000	257,002
Peru - 0.6%			
Republic of Peru 3.750%, 03/01/2030	EUR	145,000	226,760
6.550%, 03/14/2037	\$	285,000	432,488
6.950%, 08/12/2031	PEN	730,000	262,206
8.750%, 11/21/2033	\$	195,000	332,963
			1,254,417
Philippines - 0.5%			
Republic of the Philippines 0.700%, 02/03/2029	EUR	195,000	238,754
0.875%, 05/17/2027		245,000	304,335
3.700%, 02/02/2042	\$	445,000	515,259
			1,058,348
Poland - 0.4%			
Republic of Poland 3.250%, 07/25/2025	PLN	2,330,000	703,670
Romania - 1.0%			
Republic of Romania 2.625%, 12/02/2040 (C)	EUR	540,000	701,689
2.875%, 03/11/2029		190,000	260,984
3.875%, 10/29/2035		520,000	776,528
4.750%, 02/24/2025	RON	1,080,000	293,149
			2,032,350

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Russia - 3.3%			
Government of Russia 8.150%, 02/03/2027	RUB	41,360,000	\$ 635,880
Government of Russia, Inflation Linked Bond 2.500%, 02/02/2028		424,343,336	5,808,203 6,444,083
Saudi Arabia - 0.6%			
Kingdom of Saudi Arabia 2.000%, 07/09/2039	EUR	860,000	1,142,376
Serbia - 0.3%			
Republic of Serbia 1.500%, 06/26/2029		485,000	612,211
South Africa - 0.3%			
Republic of South Africa 7.000%, 02/28/2031	ZAR	11,360,000	662,292
South Korea - 7.1%			
Republic of Korea 1.375%, 12/10/2029 to 06/10/2030	KRW	14,105,520,000	12,601,632
Republic of Korea, Inflation Linked Bond 1.750%, 06/10/2028		1,450,024,922	1,433,177 14,034,809
Thailand - 1.8%			
Kingdom of Thailand 2.875%, 12/17/2028	THB	94,140,000	3,576,042
Turkey - 0.1%			
Republic of Turkey 9.000%, 07/24/2024	TRY	1,740,000	207,756
United Arab Emirates - 0.3%			
Government of Dubai 3.900%, 09/09/2050	\$	510,000	502,909
Uruguay - 0.0%			
Republic of Uruguay 8.500%, 03/15/2028	UYU	670,000	16,563
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$87,722,201)			\$ 91,558,344
CORPORATE BONDS - 17.6%			
Canada - 0.4%			
Alimentation Couche-Tard, Inc. 2.950%, 01/25/2030 (C)	\$	30,000	32,768
Emera, Inc. (6.750% to 6-15-26, then 3 month LIBOR + 5.440%) 06/15/2076		165,000	192,844
Empire Communities Corp. 7.000%, 12/15/2025 (C)		45,000	47,424
New Red Finance, Inc. 3.875%, 01/15/2028 (C)		165,000	167,602
Norbord, Inc. 5.750%, 07/15/2027 (C)		110,000	118,252
Nutrien, Ltd. 2.950%, 05/13/2030		37,000	40,668
Suncor Energy, Inc. 6.500%, 06/15/2038		190,000	264,481 864,039
Cayman Islands - 0.1%			
Spirit Loyalty Cayman, Ltd. 8.000%, 09/20/2025 (C)		152,000	170,240
Colombia - 0.1%			
Ecopetrol SA 7.375%, 09/18/2043		125,000	171,321

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Finland - 0.5%		
Nokia OYJ 6.625%, 05/15/2039	\$ 825,000	\$ 1,053,782
France - 0.1%		
Valeo SA 1.625%, 03/18/2026	EUR 100,000	125,173
India - 0.1%		
NTPC, Ltd. 2.750%, 02/01/2027	195,000	252,278
Indonesia - 0.3%		
Pertamina Persero PT 6.000%, 05/03/2042	\$ 200,000	255,586
Perusahaan Perseroan PT Perusahaan Listrik Negara 6.150%, 05/21/2048	200,000	261,000
		516,586
Ireland - 0.5%		
Aptiv PLC 4.250%, 01/15/2026	15,000	17,286
Avolon Holdings Funding, Ltd. 2.875%, 02/15/2025 (C)	160,000	163,117
Endo DAC 6.000%, 06/30/2028 (C)	91,000	77,350
9.500%, 07/31/2027 (C)	72,000	80,370
Fly Leasing, Ltd. 5.250%, 10/15/2024	200,000	190,500
Russian Railways 2.200%, 05/23/2027	EUR 350,000	452,163
		980,786
Luxembourg - 0.4%		
Arena Luxembourg Finance Sarl 1.875%, 02/01/2028	100,000	116,130
Codere Finance 2 Luxembourg SA (4.500% Cash and 6.250% PIK) 10.750%, 11/01/2023	510,000	406,223
Hanesbrands Finance Luxembourg SCA 3.500%, 06/15/2024	135,000	172,971
		695,324
Mauritius - 0.1%		
MTN Mauritius Investments, Ltd. 4.755%, 11/11/2024	\$ 200,000	210,940
Morocco - 0.1%		
OCP SA 5.625%, 04/25/2024	200,000	221,029
Netherlands - 0.1%		
Ziggo BV 4.875%, 01/15/2030 (C)	200,000	210,250
Norway - 0.0%		
Equinor ASA 3.000%, 04/06/2027	45,000	50,081
Peru - 0.1%		
Petroleos del Peru SA 5.625%, 06/19/2047	200,000	244,752
Spain - 0.1%		
Abanca Corp. Bancaria SA (6.125% to 1-18-24, then 5 Year Euro Swap Rate + 5.927%) 01/18/2029	EUR 100,000	132,486
Banco de Credito Social Cooperativo SA (7.750% to 6-7-22, then 5 Year Euro Swap Rate + 7.591%) 06/07/2027	100,000	120,333
		252,819

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Switzerland - 0.1%		
UBS Group AG 4.125%, 09/24/2025 (C)	\$ 200,000	\$ 228,964
United Arab Emirates - 0.2%		
DAE Funding LLC 5.000%, 08/01/2024 (C)	108,000	110,700
DP World PLC 2.375%, 09/25/2026	EUR 200,000	255,176
		365,876
United Kingdom - 0.3%		
British Airways 2020-1 Class A Pass Through Trust 4.250%, 11/15/2032 (C)	\$ 320,000	342,000
Prudential PLC 3.125%, 04/14/2030	20,000	22,662
Virgin Media Secured Finance PLC 5.500%, 05/15/2029 (C)	200,000	216,750
		581,412
United States - 14.0%		
AbbVie, Inc. 2.300%, 11/21/2022	60,000	62,203
4.450%, 05/14/2046	27,000	34,295
Adams Homes, Inc. 7.500%, 02/15/2025 (C)	170,000	178,075
Alliant Holdings Intermediate LLC 6.750%, 10/15/2027 (C)	80,000	85,600
Altria Group, Inc. 4.400%, 02/14/2026	45,000	52,236
American International Group, Inc. 3.875%, 01/15/2035	40,000	47,961
4.750%, 04/01/2048	100,000	133,202
Amgen, Inc. 2.200%, 02/21/2027	60,000	64,300
Anheuser-Busch Companies LLC 4.900%, 02/01/2046	35,000	45,551
Anheuser-Busch InBev Worldwide, Inc. 4.150%, 01/23/2025	55,000	62,625
4.600%, 04/15/2048	20,000	25,267
Antero Midstream Partners LP 5.375%, 09/15/2024	380,000	370,500
5.750%, 03/01/2027 (C)	360,000	353,700
Antero Resources Corp. 8.375%, 07/15/2026 (C)	55,000	56,138
Anthem, Inc. 3.700%, 09/15/2049	13,000	15,506
4.101%, 03/01/2028	19,000	22,452
Apache Corp. 4.375%, 10/15/2028	60,000	62,459
Apple, Inc. 2.650%, 05/11/2050	20,000	21,185
Aramark Services, Inc. 6.375%, 05/01/2025 (C)	170,000	181,688
Arches Buyer, Inc. 6.125%, 12/01/2028 (C)	87,000	89,845
Ashton Woods USA LLC 6.625%, 01/15/2028 (C)	120,000	126,300
AT&T, Inc. 2.300%, 06/01/2027	30,000	31,976
3.500%, 06/01/2041	20,000	21,532
3.500%, 09/15/2053 (C)	48,000	47,817
AutoZone, Inc. 1.650%, 01/15/2031	140,000	139,019
Bank of America Corp. (2.676% to 6-19-40, then SOFR + 1.930%) 06/19/2041	26,000	27,048

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	\$ 25,000	\$ 27,058
Bank of America Corp. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%) 01/20/2048	25,000	33,036
BAT Capital Corp. 3.222%, 08/15/2024	45,000	48,717
4.758%, 09/06/2049	21,000	24,308
Bausch Health Companies, Inc. 7.000%, 01/15/2028 (C)	150,000	164,880
Belo Corp. 7.250%, 09/15/2027	98,000	112,700
Berkshire Hathaway Energy Company 4.500%, 02/01/2045	105,000	132,736
Black Knight InfoServ LLC 3.625%, 09/01/2028 (C)	270,000	276,413
Blue Racer Midstream LLC 7.625%, 12/15/2025 (C)	40,000	42,600
Bon Secours Mercy Health, Inc. 2.095%, 06/01/2031	23,000	23,689
Booz Allen Hamilton, Inc. 3.875%, 09/01/2028 (C)	470,000	484,100
Boston Scientific Corp. 4.700%, 03/01/2049	15,000	20,545
Boyd Gaming Corp. 6.375%, 04/01/2026	55,000	57,135
8.625%, 06/01/2025 (C)	195,000	216,877
BP Capital Markets America, Inc. 2.772%, 11/10/2050	30,000	29,624
Brandywine Operating Partnership LP 4.550%, 10/01/2029	20,000	22,465
Braskem America Finance Company 7.125%, 07/22/2041	200,000	230,500
Brighthouse Financial, Inc. 5.625%, 05/15/2030	22,000	27,145
Bristol-Myers Squibb Company 2.350%, 11/13/2040	45,000	46,242
Brixmor Operating Partnership LP 3.900%, 03/15/2027	30,000	33,383
Broadcom, Inc. 4.110%, 09/15/2028	70,000	80,079
4.300%, 11/15/2032	170,000	201,408
Builders FirstSource, Inc. 5.000%, 03/01/2030 (C)	40,000	43,000
Caesars Entertainment, Inc. 8.125%, 07/01/2027 (C)	125,000	138,378
Carnival Corp. 7.625%, 03/01/2026 (C)	120,000	130,739
11.500%, 04/01/2023 (C)	125,000	144,540
CDW LLC 3.250%, 02/15/2029	420,000	428,274
Centennial Resource Production LLC 5.375%, 01/15/2026 (C)	1,180,000	823,050
CenterPoint Energy, Inc. (6.125% to 9-1-23, then 3 month LIBOR + 3.270%) 09/01/2023 (D)	110,000	115,225
Charter Communications Operating LLC 3.700%, 04/01/2051	38,000	39,391
Cimarex Energy Company 4.375%, 06/01/2024	30,000	32,715

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Citigroup, Inc. 5.300%, 05/06/2044	\$ 10,000	\$ 14,089
Citigroup, Inc. (3.106% to 4-8-25, then SOFR + 2.750%) 04/08/2026	65,000	71,003
Citigroup, Inc. (3.980% to 3-20-29, then 3 month LIBOR + 1.338%) 03/20/2030	20,000	23,509
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.234%) 01/30/2025 (D)	490,000	503,519
Citigroup, Inc. (5.950% to 5-15-25, then 3 month LIBOR + 3.905%) 05/15/2025 (D)	50,000	54,625
Cleco Corporate Holdings LLC 3.375%, 09/15/2029	15,000	15,398
4.973%, 05/01/2046	20,000	23,370
Comcast Corp. 2.800%, 01/15/2051	12,000	12,474
3.750%, 04/01/2040	40,000	48,062
CommonSpirit Health 2.782%, 10/01/2030	30,000	31,742
3.817%, 10/01/2049	115,000	129,833
Community Health Network, Inc. 3.099%, 05/01/2050	220,000	221,788
Community Health Systems, Inc. 6.000%, 01/15/2029 (C)	50,000	54,013
Conagra Brands, Inc. 5.400%, 11/01/2048	25,000	35,621
ConocoPhillips 6.500%, 02/01/2039	230,000	355,288
Consolidated Communications, Inc. 6.500%, 10/01/2028 (C)	109,000	116,630
Consolidated Edison Company of New York, Inc. 4.125%, 05/15/2049	95,000	117,235
Continental Resources, Inc. 4.500%, 04/15/2023	25,000	25,778
CP Atlas Buyer, Inc. 7.000%, 12/01/2028 (C)	30,000	31,125
Credit Acceptance Corp. 6.625%, 03/15/2026	80,000	85,200
CVS Health Corp. 4.780%, 03/25/2038	18,000	22,714
5.050%, 03/25/2048	20,000	27,063
Delta Air Lines, Inc. 4.750%, 10/20/2028 (C)	85,000	92,744
Deutsche Bank AG (2.222% to 9-18-23, then SOFR + 2.159%) 09/18/2024	150,000	154,300
Diamondback Energy, Inc. 4.750%, 05/31/2025	30,000	33,767
Discovery Communications LLC 5.000%, 09/20/2037	20,000	25,233
Dollar General Corp. 4.125%, 05/01/2028	45,000	53,050
Dominion Energy South Carolina, Inc. 5.300%, 05/15/2033	10,000	13,433
6.625%, 02/01/2032	10,000	14,441
Energy Transfer Operating LP 4.200%, 04/15/2027	15,000	16,522
4.750%, 01/15/2026	20,000	22,624
5.000%, 05/15/2050	10,000	10,812
EnLink Midstream LLC 5.625%, 01/15/2028 (C)	60,000	61,289

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Enterprise Products Operating LLC (5.375% to 2-15-28, then 3 month LIBOR + 2.570%) 02/15/2078	\$ 120,000	\$ 121,212
Equifax, Inc. 2.600%, 12/15/2025	10,000	10,792
Evergy Metro, Inc. 3.650%, 08/15/2025	45,000	50,688
4.200%, 03/15/2048	10,000	12,938
Evergy, Inc. 2.900%, 09/15/2029	25,000	27,390
Exelon Corp. 4.450%, 04/15/2046	5,000	6,366
FedEx Corp. 4.050%, 02/15/2048	20,000	24,134
Fifth Third Bancorp (5.100% to 6-30-23, then 3 month LIBOR + 3.033%) 06/30/2023 (D)	170,000	172,491
FirstCash, Inc. 4.625%, 09/01/2028 (C)	563,000	580,594
FirstEnergy Corp. 3.900%, 07/15/2027	50,000	55,094
Flex Acquisition Company, Inc. 7.875%, 07/15/2026 (C)	100,000	105,082
Flex, Ltd. 4.875%, 05/12/2030	130,000	156,227
Freedom Mortgage Corp. 7.625%, 05/01/2026 (C)	70,000	74,039
8.125%, 11/15/2024 (C)	235,000	245,133
Frontier Communications Corp. 5.875%, 10/15/2027 (C)	75,000	81,094
6.750%, 05/01/2029 (C)	135,000	144,450
General Electric Company 6.750%, 03/15/2032	15,000	21,019
General Motors Financial Company, Inc. 4.350%, 01/17/2027	32,000	36,416
General Motors Financial Company, Inc. (6.500% to 9-30-28, then 3 month LIBOR + 3.436%) 09/30/2028 (D)	160,000	173,800
Genworth Holdings, Inc. 6.500%, 06/15/2034	65,000	63,050
7.625%, 09/24/2021 (E)	55,000	55,825
Genworth Mortgage Holdings, Inc. 6.500%, 08/15/2025 (C)	100,000	108,250
Gilead Sciences, Inc. 4.750%, 03/01/2046	100,000	132,339
4.800%, 04/01/2044	165,000	217,490
Global Payments, Inc. 3.200%, 08/15/2029	31,000	34,408
Gray Oak Pipeline LLC 2.600%, 10/15/2025 (C)	46,000	47,401
3.450%, 10/15/2027 (C)	285,000	297,565
Gray Television, Inc. 7.000%, 05/15/2027 (C)	155,000	169,725
GTCR AP Finance, Inc. 8.000%, 05/15/2027 (C)	50,000	54,298
Healthpeak Properties, Inc. 3.500%, 07/15/2029	40,000	45,352
Hess Corp. 5.800%, 04/01/2047	20,000	25,411
HUB International, Ltd. 7.000%, 05/01/2026 (C)	145,000	151,640
Huntsman International LLC 4.500%, 05/01/2029	20,000	23,033

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
IBM Corp. 2.850%, 05/15/2040	\$ 100,000	\$ 107,475
Intercontinental Exchange, Inc. 2.650%, 09/15/2040	34,000	34,866
Jagged Peak Energy LLC 5.875%, 05/01/2026	80,000	82,800
JetBlue 2020-1 Class A Pass Through Trust 4.000%, 11/15/2032	270,000	291,345
Johnson & Johnson 2.250%, 09/01/2050	46,000	46,126
JPMorgan Chase & Co. 5.500%, 10/15/2040	25,000	36,714
JPMorgan Chase & Co. (2.301% to 10-15-24, then SOFR + 1.160%) 10/15/2025	60,000	63,680
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	15,000	16,669
JPMorgan Chase & Co. (3.882% to 7-24-37, then 3 month LIBOR + 1.360%) 07/24/2038	25,000	30,408
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (D)	480,000	495,600
JPMorgan Chase & Co. (6.000% to 8-1-23, then 3 month LIBOR + 3.300%) 08/01/2023 (D)	50,000	53,000
JPMorgan Chase & Co. (6.100% to 10-1-24, then 3 month LIBOR + 3.330%) 10/01/2024 (D)	205,000	224,836
Keurig Dr Pepper, Inc. 4.985%, 05/25/2038	25,000	33,434
L Brands, Inc. 6.875%, 07/01/2025 (C)	5,000	5,429
7.500%, 06/15/2029	125,000	139,063
L3Harris Technologies, Inc. 3.850%, 06/15/2023	45,000	48,604
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (C)	51,000	50,108
5.250%, 10/01/2025 (C)	130,000	129,675
LBM Acquisition LLC 6.250%, 01/15/2029 (C)	124,000	129,001
LD Holdings Group LLC 6.500%, 11/01/2025 (C)	75,000	78,938
Lear Corp. 3.800%, 09/15/2027	17,000	19,064
Lennar Corp. 4.750%, 11/29/2027	155,000	183,179
Lincoln National Corp. 3.400%, 01/15/2031	30,000	34,359
Lowe's Companies, Inc. 1.300%, 04/15/2028	68,000	68,569
Matador Resources Company 5.875%, 09/15/2026	687,000	673,260
McKesson Corp. 4.750%, 05/30/2029	145,000	178,321
MGIC Investment Corp. 5.250%, 08/15/2028	100,000	107,000
Microsoft Corp. 3.450%, 08/08/2036	25,000	30,792

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Moog, Inc. 4.250%, 12/15/2027 (C)	\$ 160,000	\$ 166,000
Morgan Stanley 3.950%, 04/23/2027	10,000	11,561
4.875%, 11/01/2022	10,000	10,773
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	40,000	46,450
MPLX LP 4.250%, 12/01/2027	70,000	82,159
4.800%, 02/15/2029	30,000	36,239
MSCI, Inc. 3.875%, 02/15/2031 (C)	593,000	627,098
National Retail Properties, Inc. 4.300%, 10/15/2028	30,000	34,762
Nationstar Mortgage Holdings, Inc. 5.125%, 12/15/2030 (C)	166,000	173,507
NMI Holdings, Inc. 7.375%, 06/01/2025 (C)	35,000	39,200
Northeastern University 2.894%, 10/01/2050	15,000	15,804
Northern Natural Gas Company 4.300%, 01/15/2049 (C)	70,000	84,923
Novelis Corp. 4.750%, 01/30/2030 (C)	110,000	118,510
Occidental Petroleum Corp. 3.000%, 02/15/2027	70,000	62,300
4.400%, 08/15/2049	75,000	63,210
6.125%, 01/01/2031	140,000	149,828
Oglethorpe Power Corp. 3.750%, 08/01/2050 (C)	14,000	15,018
5.250%, 09/01/2050	30,000	37,042
OneMain Finance Corp. 4.000%, 09/15/2030	45,000	46,692
6.625%, 01/15/2028	50,000	59,375
ONEOK, Inc. 3.100%, 03/15/2030	44,000	46,848
Oracle Corp. 3.600%, 04/01/2050	25,000	29,142
Otis Worldwide Corp. 3.112%, 02/15/2040	20,000	21,731
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (C)	36,000	39,060
Parsley Energy LLC 4.125%, 02/15/2028 (C)	60,000	63,600
PDC Energy, Inc. 5.750%, 05/15/2026	460,000	474,950
Penn National Gaming, Inc. 5.625%, 01/15/2027 (C)	120,000	125,250
Penske Truck Leasing Company LP 4.250%, 01/17/2023 (C)	35,000	37,601
Phillips 66 5.875%, 05/01/2042	35,000	48,598
Phillips 66 Partners LP 3.150%, 12/15/2029	50,000	51,991
4.900%, 10/01/2046	110,000	123,077
Post Holdings, Inc. 4.625%, 04/15/2030 (C)	170,000	178,833
Presidio Holdings, Inc. 8.250%, 02/01/2028 (C)	275,000	303,188
Puget Energy, Inc. 4.100%, 06/15/2030	50,000	56,507
QEP Resources, Inc. 5.625%, 03/01/2026	50,000	54,828

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Reynolds American, Inc. 4.850%, 09/15/2023	\$ 20,000	\$ 22,305
5.850%, 08/15/2045	580,000	740,650
Royalty Pharma PLC 3.300%, 09/02/2040 (C)	34,000	35,700
Santander Holdings USA, Inc. 3.450%, 06/02/2025	35,000	38,273
SBA Tower Trust 1.884%, 01/15/2026 (C)	55,000	56,606
Scripps Escrow II, Inc. 5.375%, 01/15/2031 (C)	65,000	68,354
Sirius XM Radio, Inc. 5.500%, 07/01/2029 (C)	155,000	170,548
SLM Corp. 4.200%, 10/29/2025	57,000	60,206
Specialty Building Products Holdings LLC 6.375%, 09/30/2026 (C)	75,000	79,481
Speedway Motorsports LLC 4.875%, 11/01/2027 (C)	170,000	168,300
Spirit AeroSystems, Inc. 5.500%, 01/15/2025 (C)	25,000	26,373
SRM Escrow Issuer LLC 6.000%, 11/01/2028 (C)	60,000	62,810
Standard Industries, Inc. 4.375%, 07/15/2030 (C)	374,000	400,079
Stevens Holding Company, Inc. 6.125%, 10/01/2026 (C)	25,000	27,000
STL Holding Company LLC 7.500%, 02/15/2026 (C)	100,000	103,500
Sutter Health 3.161%, 08/15/2040	15,000	15,909
4.091%, 08/15/2048	105,000	126,891
Synchrony Financial 3.700%, 08/04/2026	45,000	49,936
4.375%, 03/19/2024	10,000	11,009
Sysco Corp. 6.600%, 04/01/2040	140,000	204,542
Targa Resources Partners LP 5.375%, 02/01/2027	55,000	57,770
The Bank of New York Mellon Corp. (4.625% to 9-20-26, then 3 month LIBOR + 3.131%) 09/20/2026 (D)	55,000	58,300
The Boeing Company 3.625%, 02/01/2031	60,000	65,731
5.040%, 05/01/2027	875,000	1,022,555
The Charles Schwab Corp. (4.000% to 12-1-30, then 10 Year CMT + 3.079%) 12/01/2030 (D)	110,000	115,775
The Dun & Bradstreet Corp. 10.250%, 02/15/2027 (C)	90,000	101,475
The Southern Company 3.700%, 04/30/2030	15,000	17,360
The TJX Companies, Inc. 3.500%, 04/15/2025	20,000	22,326
The Toledo Hospital 5.750%, 11/15/2038	100,000	119,829
The University of Chicago 2.761%, 04/01/2045	5,000	5,198
The William Carter Company 5.625%, 03/15/2027 (C)	248,000	261,020
T-Mobile USA, Inc. 3.750%, 04/15/2027 (C)	30,000	34,164

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
T-Mobile USA, Inc. (continued)		
4.500%, 04/15/2050 (C)	\$ 19,000	\$ 23,434
TransDigm, Inc.		
6.250%, 03/15/2026 (C)	330,000	351,450
TreeHouse Foods, Inc.		
4.000%, 09/01/2028	165,000	170,672
TRI Pointe Group, Inc.		
5.700%, 06/15/2028	148,000	167,092
Tyson Foods, Inc.		
5.100%, 09/28/2048	25,000	35,932
United Natural Foods, Inc.		
6.750%, 10/15/2028 (C)	113,000	118,224
United Shore Financial Services LLC		
5.500%, 11/15/2025 (C)	113,000	119,215
UnitedHealth Group, Inc.		
3.750%, 10/15/2047	25,000	31,001
Unum Group		
4.000%, 03/15/2024	34,000	37,050
Valvoline, Inc.		
3.625%, 06/15/2031 (C)	290,000	298,266
VEREIT Operating Partnership LP		
3.400%, 01/15/2028	10,000	11,035
Verizon Communications, Inc.		
4.000%, 03/22/2050	10,000	12,109
4.016%, 12/03/2029	65,000	77,094
4.522%, 09/15/2048	175,000	227,830
4.672%, 03/15/2055	85,000	114,005
ViacomCBS, Inc.		
5.250%, 04/01/2044	20,000	25,953
ViacomCBS, Inc. (5.875% to 2-28-22, then 3 month LIBOR + 3.895%) 02/28/2057	55,000	57,063
ViacomCBS, Inc. (6.250% to 2-28-27, then 3 month LIBOR + 3.899%) 02/28/2057	50,000	56,133
Vine Oil & Gas LP		
9.750%, 04/15/2023 (C)	40,000	32,000
Viper Energy Partners LP		
5.375%, 11/01/2027 (C)	640,000	668,800
Wabtec Corp.		
3.200%, 06/15/2025	123,000	132,674
Walgreens Boots Alliance, Inc.		
4.800%, 11/18/2044	28,000	31,759
Wells Fargo & Company		
5.375%, 11/02/2043	20,000	27,772
Wells Fargo & Company (5.013% to 4-4-50, then 3 month LIBOR + 4.240%) 04/04/2051	15,000	21,307
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (D)	239,000	270,966
Wells Fargo & Company (5.900% to 6-15-24, then 3 month LIBOR + 3.110%) 06/15/2024 (D)	265,000	281,231
Western Midstream Operating LP		
5.500%, 08/15/2048	100,000	98,159
WPX Energy, Inc.		
5.750%, 06/01/2026	25,000	26,281
Yum! Brands, Inc.		
7.750%, 04/01/2025 (C)	220,000	243,650
		27,678,574
TOTAL CORPORATE BONDS (Cost \$33,125,261)		\$ 34,874,226

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS - 1.4%		
Israel - 0.0%		
SolarEdge Technologies, Inc., Zero Coupon, 0.000%, 09/15/2025 (C)	\$ 20,000	\$ 27,491
Italy - 0.1%		
Nexi SpA, 1.750%, 04/24/2027	EUR 100,000	150,158
Monaco - 0.2%		
Endeavour Mining Corp., 3.000%, 02/15/2023 (C)	\$ 400,000	468,000
United States - 1.1%		
Apellis Pharmaceuticals, Inc., 3.500%, 09/15/2026 (C)	70,000	117,616
Bandwidth, Inc., 0.250%, 03/01/2026 (C)	25,000	44,321
Bloomin' Brands, Inc., 5.000%, 05/01/2025 (C)	8,000	14,690
Etsy, Inc., 0.125%, 10/01/2026	12,000	25,461
FTI Consulting, Inc., 2.000%, 08/15/2023	25,000	31,238
Health Catalyst, Inc., 2.500%, 04/15/2025 (C)	30,000	47,411
Integra LifeSciences Holdings Corp., 0.500%, 08/15/2025 (C)	85,000	93,535
Lumentum Holdings, Inc., 0.500%, 12/15/2026	75,000	91,455
Medallia, Inc., 0.125%, 09/15/2025 (C)	80,000	88,757
NanoString Technologies, Inc., 2.625%, 03/01/2025 (C)	65,000	103,099
NuVasive, Inc., 0.375%, 03/15/2025 (C)	170,000	164,878
Pebblebrook Hotel Trust, 1.750%, 12/15/2026	103,000	109,518
Pegasystems, Inc., 0.750%, 03/01/2025 (C)	70,000	82,169
Penn National Gaming, Inc., 2.750%, 05/15/2026	12,000	45,266
Pioneer Natural Resources Company, 0.250%, 05/15/2025 (C)	140,000	186,016
Proofpoint, Inc., 0.250%, 08/15/2024	20,000	22,393
Redfin Corp., Zero Coupon, 0.000%, 10/15/2025 (C)	85,000	101,588
Revance Therapeutics, Inc., 1.750%, 02/15/2027 (C)	75,000	84,113
Southwest Airlines Company, 1.250%, 05/01/2025	120,000	174,300
Splunk, Inc., 1.125%, 06/15/2027 (C)	35,000	36,377
Square, Inc., 0.125%, 03/01/2025 (C)	30,000	56,458
Tandem Diabetes Care, Inc., 1.500%, 05/01/2025 (C)	75,000	88,327
The Middleby Corp., 1.000%, 09/01/2025 (C)	101,000	123,346
Uber Technologies, Inc., Zero Coupon, 0.000%, 12/15/2025 (C)	30,000	30,691
Workday, Inc., 0.250%, 10/01/2022	55,000	91,902
		2,054,925
TOTAL CONVERTIBLE BONDS (Cost \$2,418,436)		\$ 2,700,574
MUNICIPAL BONDS - 3.8%		
United States - 3.8%		
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	60,000	67,514
Chicago Transit Authority (Illinois) 3.502%, 12/01/2033	435,000	477,121
Chicago Transit Authority, Series A (Illinois) 6.899%, 12/01/2040	55,000	79,528
City & County of Denver Company Airport System Revenue (Colorado) 2.717%, 11/15/2034	105,000	107,451

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
City & County of Denver Company Airport System Revenue (Colorado) 2.867%, 11/15/2037	\$ 75,000	\$ 75,758
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2032	100,000	127,951
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2044	240,000	296,772
City of Houston Airport System Revenue (Texas) 2.385%, 07/01/2031	240,000	242,472
City of Tampa (Florida) 2.699%, 09/01/2036 (F)	100,000	65,482
Commonwealth of Massachusetts, GO 2.514%, 07/01/2041	625,000	654,088
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2033	70,000	88,980
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2029	100,000	129,726
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2028	150,000	190,973
County of Miami-Dade Aviation Revenue (Florida) 2.786%, 10/01/2037 (A)	200,000	204,328
County of Miami-Dade Aviation Revenue (Florida) 4.000%, 10/01/2036	115,000	138,352
County of Miami-Dade Aviation Revenue (Florida) 3.270%, 10/01/2041	50,000	51,211
Dallas Fort Worth International Airport (Texas) 3.089%, 11/01/2040	130,000	136,366
District of Columbia 3.432%, 04/01/2042	405,000	439,376
Grand Parkway Transportation Corp. (Texas) 3.236%, 10/01/2052	190,000	198,704
Greater Orlando Aviation Authority (Florida) 5.000%, 10/01/2028	150,000	178,364
Iowa Finance Authority 3.250%, 07/01/2050	50,000	55,392
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2050	110,000	131,001
Metropolitan Transportation Authority (New York) 5.175%, 11/15/2049	210,000	246,072
Metropolitan Transportation Authority (New York) 6.668%, 11/15/2039	15,000	19,578
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2029	100,000	122,428
Municipal Electric Authority of Georgia 6.655%, 04/01/2057	10,000	15,456
New Jersey Transportation Trust Fund Authority 4.000%, 06/15/2045	50,000	55,916

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
New York City Transitional Finance Authority 4.000%, 05/01/2045	\$ 75,000	\$ 89,188
Orange County Convention Center (Florida) 5.000%, 10/01/2031	55,000	64,618
Port Authority of New York & New Jersey 4.000%, 03/15/2030	230,000	273,456
Port Authority of New York & New Jersey 5.000%, 09/15/2033	140,000	173,720
Port Authority of New York & New Jersey 4.823%, 06/01/2045	140,000	157,514
Port Authority of New York & New Jersey 1.086%, 07/01/2023	25,000	25,373
Port of Seattle (Washington) 5.000%, 04/01/2039	190,000	234,946
Port of Seattle (Washington) 5.000%, 10/01/2031	100,000	118,144
San Diego County Regional Transportation Commission (California) 3.248%, 04/01/2048	75,000	78,811
San Francisco City & County Airport Commission (California) 5.000%, 05/01/2050	325,000	398,512
San Francisco City & County Airport Commission (California) 4.000%, 05/01/2039	160,000	188,456
San Francisco City & County Airport Commission (California) 2.958%, 05/01/2051	155,000	154,242
State of Hawaii Airports System Revenue 4.000%, 07/01/2035	100,000	118,075
State of Hawaii Airports System Revenue 5.000%, 07/01/2034	295,000	382,199
Tarrant County Cultural Education Facilities Finance Corp. (Texas) 3.416%, 09/01/2050 (A)	125,000	129,148
The Pennsylvania State University 2.840%, 09/01/2050	50,000	51,688
Triborough Bridge & Tunnel Authority (New York) 5.000%, 11/15/2054	140,000	179,532
University of California 1.316%, 05/15/2027	45,000	45,720
Wisconsin Center District 4.173%, 12/15/2050	65,000	67,963
TOTAL MUNICIPAL BONDS (Cost \$7,124,461)	\$	7,527,665
TERM LOANS (G) - 8.2%		
France - 0.1%		
Bio Lam LCD SELAS, 2020 EUR Add on Term Loan B (3 month EURIBOR + 4.750%), 4.750%, 04/25/2026	EUR 155,000	189,475
Luxembourg - 0.2%		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%), 3.500%, 02/01/2024	\$ 200,000	197,572

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Luxembourg (continued)		
Sunshine Luxembourg VII Sarl, USD Term Loan B1 (3 month LIBOR + 4.000%), 5.000%, 10/01/2026	\$ 99,748	\$ 99,936
		297,508
Netherlands - 0.2%		
Boels Topholding BV, 2020 EUR Term Loan B (3 month EURIBOR + 4.000%), 4.000%, 02/06/2027	EUR 155,000	189,166
Telenet Financing USD LLC, 2020 USD Term Loan AR (1 month LIBOR + 2.000%), 2.159%, 04/30/2028	\$ 200,000	197,126
		386,292
Norway - 0.0%		
Adevinta ASA, USD Term Loan B, TBD 10/13/2027 (H)	100,000	99,844
Sweden - 0.1%		
Verisure Holding AB, 2020 EUR Term Loan B (6 month EURIBOR + 4.000%), 4.000%, 07/20/2026	EUR 155,000	189,799
United Kingdom - 0.1%		
Lorca Finco PLC, EUR New Money Term Loan B2, TBD 09/17/2027 (H)	180,000	220,218
United States - 7.5%		
Acrisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%), 3.647%, 02/15/2027	\$ 248,125	242,904
Adient US LLC, Term Loan B (1 and 3 month LIBOR + 4.250%), 4.414%, 05/06/2024	148,867	148,618
ADMI Corp., 2020 Incremental Term Loan, TBD 12/15/2027 (H)	100,000	99,975
AlixPartners LLP, 2017 Term Loan B (1 month LIBOR + 2.500%), 2.647%, 04/04/2024	197,943	195,501
Alliance Laundry Systems LLC, Term Loan B (3 month LIBOR + 3.500%), 4.250%, 10/08/2027	125,000	124,844
Altra Industrial Motion Corp., 2018 Term Loan B (1 month LIBOR + 2.000%), 2.147%, 10/01/2025	86,993	86,776
Amentum Government Services Holdings LLC, Term Loan B (1 month LIBOR + 3.500%), 3.647%, 02/01/2027	99,500	99,127
APX Group, Inc. 2020 Term Loan (Prime rate + 4.000% and 1 month LIBOR + 5.000%), 5.148%, 12/31/2025	99,250	98,594
Aramark Services, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%), 1.895%, 03/11/2025	125,000	123,156
Aretec Group, Inc., 2018 Term Loan (1 month LIBOR + 4.250%), 4.397%, 10/01/2025	197,980	193,278
Asurion LLC, 2017 2nd Lien Term Loan (1 month LIBOR + 6.500%), 6.647%, 08/04/2025	234,848	236,316
Avantor Funding, Inc., 2020 Incremental Term Loan B4 (1 month LIBOR + 2.500%), 3.500%, 11/08/2027	180,000	180,113
Bass Pro Group LLC, Term Loan B (1 month LIBOR + 5.000%), 5.750%, 09/25/2024	223,269	223,669

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
Bausch Health Americas, Inc., 2018 Term Loan B (1 month LIBOR + 3.000%), 3.148%, 06/02/2025	\$ 109,459	\$ 108,980
Beacon Roofing Supply, Inc., 2017 Term Loan B (1 month LIBOR + 2.250%), 2.397%, 01/02/2025	124,043	123,016
Belron Finance US LLC, 2019 USD Term Loan B (3 month LIBOR + 2.250%), 2.464%, 10/30/2026	198,496	198,000
Berlin Packaging LLC, 2018 1st Lien Term Loan (1 and 3 month LIBOR + 3.000%), 3.161%, 11/07/2025	253,042	248,584
Berry Global, Inc., Term Loan W (1 month LIBOR + 2.000%), 2.149%, 10/01/2022	51,756	51,669
Blackhawk Network Holdings, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.000%), 3.147%, 06/15/2025	174,552	169,588
Boyd Gaming Corp., Term Loan B3 (1 week LIBOR + 2.250%), 2.352%, 09/15/2023	197,543	195,587
Brightview Landscapes LLC, 2018 1st Lien Term Loan B (1 and 3 month LIBOR + 2.500%), 2.688%, 08/15/2025	99,237	98,658
BY Crown Parent LLC, Term Loan B1 (1 month LIBOR + 3.000%), 4.000%, 02/02/2026	99,750	99,501
Caesars Resort Collection LLC, 2020 Term Loan B1 (1 month LIBOR + 4.500%), 4.647%, 07/21/2025	169,575	169,628
Cardtronics USA, Inc., Term Loan B (1 month LIBOR + 4.000%), 5.000%, 06/29/2027	99,500	99,334
Change Healthcare Holdings LLC, 2017 Term Loan B (1 and 3 month LIBOR + 2.500%), 3.500%, 03/01/2024	187,321	186,290
Charter Communications Operating LLC, 2019 Term Loan B2 (1 month LIBOR + 1.750%), 1.900%, 02/01/2027	148,869	147,884
Clarios Global LP, USD Term Loan B (1 month LIBOR + 3.500%), 3.647%, 04/30/2026	194,903	193,888
Core & Main LP, 2017 Term Loan B (3 month LIBOR + 2.750%), 3.750%, 08/01/2024	248,082	246,636
Dcert Buyer, Inc., 2019 Term Loan B (1 month LIBOR + 4.000%), 4.147%, 10/16/2026	198,500	198,039
Deerfield Dakota Holding LLC, 2020 EUR Term Loan B (1 month EURIBOR + 4.000%), 4.000%, 04/09/2027	EUR 298,500	362,613
Deerfield Dakota Holding LLC, 2020 USD Term Loan B (3 month LIBOR + 3.750%), 4.750%, 04/09/2027	\$ 701,475	701,587
Diamond BC BV, 2020 USD Incremental Term Loan (3 month LIBOR + 5.000%), 6.000%, 09/06/2024	99,750	99,501
Diamond BC BV, EUR Term Loan (3 month EURIBOR + 3.250%), 3.250%, 09/06/2024	EUR 99,487	119,867
Diamond BC BV, USD Term Loan (3 month LIBOR + 3.000%), 3.214%, 09/06/2024	\$ 223,274	219,739

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
Elanco Animal Health, Inc., Term Loan B (3 month LIBOR + 1.750%), 1.905%, 08/01/2027	\$ 292,232	\$ 289,372
Element Solutions, Inc., 2019 Term Loan B1 (1 month LIBOR + 2.000%), 2.147%, 01/31/2026	198,492	196,259
Epicor Software Corp., 2020 Term Loan (1 month LIBOR + 4.250%), 5.250%, 07/30/2027	135,737	136,387
Frontier Communications Corp., 2020 DIP Exit Term Loan (1 month LIBOR + 4.750%), 5.750%, 10/08/2021	100,000	100,313
Go Daddy Operating Company LLC, 2020 Term Loan B3 (1 month LIBOR + 2.500%), 2.647%, 08/10/2027	134,325	134,717
Gray Television, Inc., 2018 Term Loan C (3 month LIBOR + 2.500%), 2.655%, 01/02/2026	250,000	248,020
Harbor Freight Tools USA, Inc., 2020 Term Loan B (1 month LIBOR + 3.250%), 4.000%, 10/19/2027	132,989	132,767
HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 2.750%), 2.965%, 04/25/2025	247,462	242,745
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%), 5.000%, 04/25/2025	198,496	198,806
Hyland Software, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.500%), 4.250%, 07/01/2024	164,579	164,762
ION Media Networks, Inc., 2019 Term Loan B (1 month LIBOR + 3.000%), 3.147%, 12/18/2024	247,494	247,080
IRB Holding Corp., 2020 4th Amendment Incremental Term Loan, TBD 12/15/2027 (H)	100,000	100,031
Jaguar Holding Company II, 2018 Term Loan (1 month LIBOR + 2.500%), 3.500%, 08/18/2022	198,425	198,253
LBM Acquisition LLC, Delayed Draw Term Loan, TBD 12/09/2027 (H)	19,145	19,125
LBM Acquisition LLC, Term Loan B, TBD 12/09/2027 (H)	86,154	86,064
Michaels Stores, Inc., 2020 Term loan B (1 month LIBOR + 3.500%), 4.250%, 10/01/2027	105,214	104,293
Milano Acquisition Corp. Term Loan B (3 month LIBOR + 4.000%), 4.750%, 10/01/2027	115,000	114,808
Momentive Performance Materials USA LLC, Term Loan B (1 month LIBOR + 3.250%), 3.400%, 05/15/2024	248,111	244,389
MPH Acquisition Holdings LLC, 2016 Term Loan B (3 month LIBOR + 2.750%), 3.750%, 06/07/2023	172,768	171,797
MTN Infrastructure TopCo, Inc., 1st Lien Term Loan B (1 month LIBOR + 3.000%), 4.000%, 11/15/2024	223,787	223,004
Nascar Holdings LLC, Term Loan B (1 month LIBOR + 2.750%), 2.897%, 10/19/2026	143,114	142,376

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
Navistar, Inc., 2017 1st Lien Term Loan B (1 month LIBOR + 3.500%), 3.660%, 11/06/2024	\$ 124,043	\$ 123,764
NEP Group, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.250%), 3.397%, 10/20/2025	248,101	234,595
Newco Financing Partnership, 2020 USD Term Loan B1 (2 month LIBOR + 3.500%), 3.673%, 01/31/2029	117,500	117,559
NFP Corp., 2020 Term Loan (1 month LIBOR + 3.250%), 3.397%, 02/15/2027	124,063	121,293
Nouryon USA LLC, 2018 USD Term Loan B (1 month LIBOR + 3.000%), 3.153%, 10/01/2025	124,028	122,581
Packaging Coordinators Midco, Inc., 2020 Term Loan (3 month LIBOR + 3.750%), 4.500%, 09/25/2027	100,000	100,000
PAI Holdco, Inc., 2020 Term Loan B (3 month LIBOR + 4.000%), 5.000%, 10/28/2027	100,000	100,000
Pathway Vet Alliance LLC, 2020 Delayed Draw Term Loan (1 and 3 month LIBOR + 4.000%), 4.148%, 03/31/2027	9,372	9,358
Pathway Vet Alliance LLC, 2020 Term Loan (1 month LIBOR + 4.000%), 4.146%, 03/31/2027	114,738	114,565
Penn National Gaming, Inc., 2018 1st Lien Term Loan B (1 month LIBOR + 2.250%), 3.000%, 10/15/2025	111,154	109,612
PetSmart, Inc., Consenting Term Loan (3 month LIBOR + 3.500%), 4.500%, 03/11/2022	102,583	102,294
Proampac PG Borrower LLC, 2020 Term Loan (1 and 3 month LIBOR + 4.000%), 5.000%, 11/03/2025	110,000	109,657
Quikrete Holdings, Inc., 2016 1st Lien Term Loan (1 month LIBOR + 2.500%), 2.647%, 02/01/2027	198,000	197,135
Refinitiv US Holdings, Inc., 2018 USD Term Loan (1 month LIBOR + 3.250%), 3.397%, 10/01/2025	148,861	148,551
Science Applications International Corp., 2020 Incremental Term Loan B (1 month LIBOR + 2.250%), 2.397%, 03/12/2027	77,067	76,970
Scientific Games International, Inc., 2018 Term Loan B5 (1 month LIBOR + 2.750%), 2.897%, 08/14/2024	199,487	194,550
SCIH Salt Holdings, Inc., Term Loan B (3 month LIBOR + 4.500%), 5.500%, 03/16/2027	99,750	99,625
Sedgwick Claims Management Services, Inc., 2018 Term Loan B (1 month LIBOR + 3.250%), 3.397%, 12/31/2025	197,980	194,598
SkyMiles IP, Ltd., 2020 SkyMiles Term Loan B (3 month LIBOR + 3.750%), 4.750%, 10/20/2027	100,000	103,534
SRS Distribution, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.000%), 3.147%, 05/23/2025	109,440	107,564

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
SS&C Technologies, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%), 1.897%, 04/16/2025	\$ 122,378	\$ 120,665
SS&C Technologies, Inc., 2018 Term Loan B4 (1 month LIBOR + 1.750%), 1.897%, 04/16/2025	94,694	93,368
Surgey Center Holdings, Inc., 2017 Term Loan B (1 month LIBOR + 3.250%), 4.250%, 09/03/2024	199,485	195,800
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 3.750%), 3.898%, 02/06/2026	223,313	223,219
The EW Scripps Company, 2020 Term Loan B3, TBD 12/15/2027 (H)	100,000	100,000
The Ultimate Software Group, Inc., 2020 Incremental Term Loan B (3 month LIBOR + 4.000%), 4.750%, 05/04/2026	109,725	110,211
The Ultimate Software Group, Inc., Term Loan B (1 month LIBOR + 3.750%), 3.897%, 05/04/2026	148,869	148,637
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%), 2.397%, 05/30/2025	198,000	193,793
Tronox Finance LLC, Term Loan B (1 and 3 month LIBOR + 3.000%), 3.197%, 09/23/2024	177,938	176,805
UFC Holdings LLC, 2019 Term Loan (6 month LIBOR + 3.250%), 4.250%, 04/29/2026	99,223	98,804
UPC Financing Partnership, 2020 USD Term Loan B2 (2 month LIBOR + 3.500%), 3.677%, 01/31/2029	117,500	117,559
US Foods, Inc., 2016 Term Loan B (1 month LIBOR + 1.750%), 1.897%, 06/27/2023	198,442	195,263
USI, Inc., 2017 Repriced Term Loan (3 month LIBOR + 3.000%), 3.254%, 05/16/2024	124,038	122,152
Vertical US Newco, Inc., USD Term Loan B (6 month LIBOR + 4.250%), 4.570%, 07/30/2027	279,300	280,247
Virgin Media Bristol LLC, 2020 USD Term Loan Q, TBD 01/31/2029 (H)	145,000	144,765
Weberstephen Products LLC, Term Loan B (1 month LIBOR + 3.250%), 4.000%, 10/30/2027	100,000	100,050
White Cap Buyer LLC, Term Loan B, TBD 10/19/2027 (H)	135,000	134,831
WW International, Inc., 2017 Term Loan B (1 month LIBOR + 4.750%), 5.500%, 11/29/2024	235,031	234,688
		14,865,490
TOTAL TERM LOANS (Cost \$15,602,501)		\$ 16,248,626
COLLATERALIZED MORTGAGE OBLIGATIONS - 8.3%		
Commercial and residential - 4.3%		
Angel Oak Mortgage Trust LLC Series 2020-3, Class M1, 3.809%, 04/25/2065 (C)(I)	180,000	186,094
Series 2020-5, Class A1, 1.373%, 05/25/2065 (C)(I)	87,252	87,859
Arroyo Mortgage Trust, Series 2019-1, Class A1, 3.805%, 01/25/2049 (C)(I)	164,853	169,954

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
BBCMS Mortgage Trust, Series 2017-DELIC, Class A (1 month LIBOR + 0.850%), 1.009%, 08/15/2036 (C)(J)	\$ 100,000	\$ 98,876
Benchmark Mortgage Trust Series 2019-B10, Class XA IO, 1.229%, 03/15/2062	567,672	44,473
Series 2020-B22, Class XA IO, 1.523%, 01/15/2054	205,000	25,842
BFLD Trust Series 2020-EYP, Class A (1 month LIBOR + 1.150%), 1.309%, 10/15/2035 (C)(J)	185,000	185,521
Series 2020-OBK, Class A (1 month LIBOR + 2.050%), 2.209%, 11/15/2028 (C)(J)	45,000	45,000
BX Commercial Mortgage Trust Series 2018-BIOA, Class A (1 month LIBOR + 0.671%), 0.830%, 03/15/2037 (C)(J)	53,000	52,999
Series 2018-IND, Class A (1 month LIBOR + 0.750%), 0.909%, 11/15/2035 (C)(J)	78,889	78,864
Series 2018-IND, Class C (1 month LIBOR + 1.100%), 1.259%, 11/15/2035 (C)(J)	137,500	137,241
Series 2019-XL, Class A (1 month LIBOR + 0.920%), 1.079%, 10/15/2036 (C)(J)	261,057	261,544
Series 2019-XL, Class B (1 month LIBOR + 1.080%), 1.239%, 10/15/2036 (C)(J)	261,057	261,057
Series 2019-XL, Class C (1 month LIBOR + 1.250%), 1.409%, 10/15/2036 (C)(J)	261,057	260,402
Series 2020-VKNG, Class F (1 month LIBOR + 2.750%), 2.909%, 10/15/2037 (C)(J)	170,000	169,501
CAMB Commercial Mortgage Trust, Series 2019-LIFE, Class A (1 month LIBOR + 1.070%), 1.229%, 12/15/2037 (C)(J)	337,500	338,194
CFCRE Commercial Mortgage Trust, Series 2011-C2, Class C, 5.739%, 12/15/2047 (C)(I)	275,000	277,878
COLT Mortgage Loan Trust Series 2019-4, Class A1, 2.579%, 11/25/2049 (C)(I)	114,904	116,359
Series 2020-2, Class A1, 1.853%, 03/25/2065 (C)(I)	78,902	79,863
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2013-CR13, Class B, 4.886%, 11/10/2046 (I)	169,000	186,780
Series 2014-CR16, Class AM, 4.278%, 04/10/2047	200,000	218,982
Commercial Mortgage Trust (Deutsche Bank AG) Series 2020-SBX, Class C, 2.056%, 01/10/2038 (C)(I)	100,000	103,312
Series 2020-SBX, Class D, 2.321%, 01/10/2038 (C)(I)	100,000	102,866

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Credit Suisse Mortgage Trust Series 2020-NET, Class D, 3.704%, 08/15/2037 (C)(I)	\$ 100,000	\$ 103,416
Series 2020-RPL5, Class A1, 3.023%, 08/25/2060 (C)	269,564	270,334
Deephaven Residential Mortgage Trust, Series 2020-2, Class A1, 1.692%, 05/25/2065 (C)	141,855	142,606
FRMF Mortgage Trust Series 2013-K33, Class B, 3.498%, 08/25/2046 (C)(I)	215,000	228,160
Series 2015-K45, Class C, 3.589%, 04/25/2048 (C)(I)	115,000	119,985
Series 2015-K49, Class B, 3.720%, 10/25/2048 (C)(I)	250,000	272,371
Series 2016-K55, Class C, 4.163%, 04/25/2049 (C)(I)	50,000	53,751
Series 2017-K63, Class C, 3.872%, 02/25/2050 (C)(I)	119,000	126,241
Series 2019-K99, Class B, 3.646%, 10/25/2052 (C)(I)	180,000	199,191
GS Mortgage Securities Corp. Trust, Series 2019-BOCA, Class A (1 month LIBOR + 1.200%), 1.359%, 06/15/2038 (C)(J)	280,000	277,892
JPMorgan Mortgage Trust, Series 2018-3, Class A1, 3.500%, 09/25/2048 (C)(I)	83,319	85,725
KKR Industrial Portfolio Trust, Series 2020-AIP, Class A (1 month LIBOR + 1.037%), 1.196%, 03/15/2037 (C)(J)	241,051	241,051
Merit, Series 2020-HILL, Class B (1 month LIBOR + 1.400%), 1.559%, 08/15/2037 (C)(J)	105,000	105,231
Metlife Securitization Trust, Series 2018-1A, Class A, 3.750%, 03/25/2057 (C)(I)	162,538	175,251
Morgan Stanley Bank of America Merrill Lynch Trust, Series 2013-C8, Class C, 4.056%, 12/15/2048 (I)	283,000	285,642
Morgan Stanley Capital I Trust Series 2017-CLS, Class F (1 month LIBOR + 2.600%), 2.759%, 11/15/2034 (C)(J)	177,000	177,021
Series 2018-SUN, Class B (1 month LIBOR + 1.200%), 1.359%, 07/15/2035 (C)(J)	100,000	97,874
New Residential Mortgage Loan Trust Series 2015-1A, Class B3, 5.333%, 05/28/2052 (C)(I)	173,546	186,356
Series 2020-NPL1, Class A1, 4.335%, 07/25/2060 (C)	191,201	193,529
Pretium Mortgage Credit Partners LLC, Series 2020-RPL1, Class A1, 3.819%, 05/27/2060 (C)	241,549	243,315
PRPM LLC, Series 2019-GS1, Class A1, 3.500%, 10/25/2024 (C)(I)	236,291	239,159
Verus Securitization Trust Series 2019-3, Class A1, 2.784%, 07/25/2059 (C)	73,541	75,190
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (C)(I)	237,067	243,490

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Verus Securitization Trust (continued) Series 2020-1, Class A1, 2.417%, 01/25/2060 (C)	\$ 119,966	\$ 122,201
Series 2020-1, Class A3, 2.724%, 01/25/2060 (C)	128,223	130,520
Series 2020-INV1, Class A3, 3.889%, 03/25/2060 (C)(I)	100,000	105,127
Wells Fargo Mortgage Backed Securities Trust, Series 2019-3, Class A1, 3.500%, 07/25/2049 (C)(I)	97,742	100,573
WF-RBS Commercial Mortgage Trust Series 2011-C4, Class C, 5.193%, 06/15/2044 (C)(I)	255,000	252,040
Series 2011-C5, Class C, 5.656%, 11/15/2044 (C)(I)	150,000	151,720
		8,494,423
U.S. Government Agency - 4.0%		
Federal Home Loan Mortgage Corp.		
Series 2013-DN1, Class M2 (1 month LIBOR + 7.150%), 7.298%, 07/25/2023 (J)	149,457	154,972
Series 2014-DN2, Class M3 (1 month LIBOR + 3.600%), 3.748%, 04/25/2024 (J)	206,623	205,190
Series 2016-DNA2, Class M3 (1 month LIBOR + 4.650%), 4.798%, 10/25/2028 (J)	174,289	181,346
Series 2016-DNA4, Class M3 (1 month LIBOR + 3.800%), 3.948%, 03/25/2029 (J)	238,520	246,911
Series 2016-HQA4, Class M3 (1 month LIBOR + 3.900%), 4.048%, 04/25/2029 (J)	247,229	256,598
Series 2017-DNA2, Class M1 (1 month LIBOR + 1.200%), 1.348%, 10/25/2029 (J)	132,847	132,847
Series 2017-HQA2, Class M2 (1 month LIBOR + 2.650%), 2.798%, 12/25/2029 (J)	301,548	303,641
Series 2018-DNA1, Class M2 (1 month LIBOR + 1.800%), 1.948%, 07/25/2030 (J)	259,532	257,320
Series 2018-HQA1, Class M2 (1 month LIBOR + 2.300%), 2.448%, 09/25/2030 (J)	63,139	62,899
Series 2020-DNA2, Class M2 (1 month LIBOR + 1.850%), 1.998%, 02/25/2050 (C)(J)	100,000	99,386
Series 2020-DNA5, Class M2 (SOFR + 2.800%), 2.882%, 10/25/2050 (C)(J)	105,000	106,342
Series 2020-DNA6, Class B1 (SOFR + 3.000%), 3.077%, 12/25/2050 (C)(J)	35,000	35,000
Series 2020-DNA6, Class M2 (SOFR + 2.000%), 2.077%, 12/25/2050 (C)(J)	85,000	84,868
Series 2020-HQA2, Class M2 (1 month LIBOR + 3.100%), 3.248%, 03/25/2050 (C)(J)	290,000	291,994
Series 2020-HQA3, Class B1 (1 month LIBOR + 5.750%), 5.898%, 07/25/2050 (C)(J)	195,000	207,128

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 2020-HQA3, Class M2 (1 month LIBOR + 3.600%), 3.748%, 07/25/2050 (C)(J)	\$ 130,000	\$ 130,900
Series 2020-HQA4, Class M2 (1 month LIBOR + 3.150%), 3.298%, 09/25/2050 (C)(J)	280,000	282,580
Series 324, Class C18 IO, 4.000%, 12/15/2033	424,430	53,347
Series 4446, Class BI IO, 6.500%, 04/15/2039	264,256	57,812
Series 4978, Class MI IO, 4.000%, 05/25/2040	343,432	40,662
Series 4993, Class AI IO, 4.000%, 07/25/2040	435,234	62,767
Series K066, Class X1 IO, 0.750%, 06/25/2027	1,252,248	53,885
Series K103, Class X1 IO, 0.638%, 11/25/2029	1,024,285	52,195
Series K105, Class X1 IO, 1.523%, 01/25/2030	639,691	76,531
Series K106, Class X1 IO, 1.355%, 01/25/2030	619,374	66,100
Series K107, Class X1 IO, 1.591%, 01/25/2030	549,693	69,108
Series K108, Class X1 IO, 1.690%, 03/25/2030	390,000	52,687
Series K110, Class X1 IO, 1.698%, 04/25/2030	99,934	13,230
Series K111, Class X1 IO, 1.572%, 05/25/2030	99,918	12,603
Series K115, Class X3 IO, 2.958%, 09/25/2048	147,298	33,180
Series K116, Class X3 IO, 3.021%, 09/25/2047	223,880	53,222
Series K121, Class X1 IO, 1.029%, 10/25/2030	115,000	9,734
Series K122, Class X1 IO, 0.883%, 11/25/2030	100,000	7,445
Series K737, Class X1 IO, 0.638%, 10/25/2026	496,192	16,008
Series K738, Class X1 IO, 1.515%, 01/25/2027	650,260	51,615
Series K740, Class X3 IO, 2.483%, 11/25/2047	135,000	19,393
Federal National Mortgage Association		
Series 2014-68, Class ID IO, 3.500%, 03/25/2034	653,136	45,235
Series 2014-C03, Class 2M2 (1 month LIBOR + 2.900%), 3.048%, 07/25/2024 (J)	71,602	71,761
Series 2017-C02, Class 2M2 (1 month LIBOR + 3.650%), 3.798%, 09/25/2029 (J)	225,246	230,510
Series 2017-C03, Class 1M2 (1 month LIBOR + 3.000%), 3.148%, 10/25/2029 (J)	245,592	248,334
Series 2017-C04, Class 2M2 (1 month LIBOR + 2.850%), 2.998%, 11/25/2029 (J)	258,950	260,583
Series 2017-C05, Class 1B1 (1 month LIBOR + 3.600%), 3.748%, 01/25/2030 (J)	125,000	125,156

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2017-C05, Class 1M2 (1 month LIBOR + 2.200%), 2.348%, 01/25/2030 (J)	\$ 185,974	\$ 185,739
Series 2017-C06, Class 2M2 (1 month LIBOR + 2.800%), 2.948%, 02/25/2030 (J)	217,222	218,868
Series 2017-C07, Class 1B1 (1 month LIBOR + 4.000%), 4.148%, 05/25/2030 (J)	293,000	296,647
Series 2018-C02, Class 2B1 (1 month LIBOR + 4.000%), 4.148%, 08/25/2030 (J)	60,000	60,000
Series 2018-C03, Class 1B1 (1 month LIBOR + 3.750%), 3.898%, 10/25/2030 (J)	217,000	218,780
Series 2018-C04, Class 2M2 (1 month LIBOR + 2.550%), 2.698%, 12/25/2030 (J)	197,861	198,361
Series 2018-C05, Class 1B1 (1 month LIBOR + 4.250%), 4.398%, 01/25/2031 (J)	230,000	234,736
Series 2018-C05, Class 1M2 (1 month LIBOR + 2.350%), 2.498%, 01/25/2031 (J)	106,279	106,414
Series 2018-R07, Class 1B1 (1 month LIBOR + 4.350%), 4.498%, 04/25/2031 (C)(J)	220,000	222,743
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 2.298%, 11/25/2039 (C)(J)	199,087	196,042
Series 2019-R02, Class 1M2 (1 month LIBOR + 2.300%), 2.448%, 08/25/2031 (C)(J)	80,517	80,415
Series 2019-R03, Class 1B1 (1 month LIBOR + 4.100%), 4.248%, 09/25/2031 (C)(J)	75,000	75,280
Series 2019-R05, Class 1B1 (1 month LIBOR + 4.100%), 4.248%, 07/25/2039 (C)(J)	120,000	120,481
Series 2020-26, Class AI IO, 3.000%, 04/25/2033	720,418	49,258
Series 2020-26, Class IA IO, 3.500%, 11/25/2039	521,506	54,904
Series 2020-27, Class NI IO, 4.500%, 05/25/2050	356,803	61,860
Series 2020-35, Class IC IO, 5.000%, 06/25/2050	351,888	60,014
Series 2020-R02, Class 2B1 (1 month LIBOR + 3.000%), 3.148%, 01/25/2040 (C)(J)	152,000	144,063
Series 407, Class 40 IO, 6.000%, 01/25/2038	304,765	69,595
Series 410, Class C8 IO, 4.000%, 04/25/2032	504,592	54,338
Government National		
Mortgage Association		
Series 2014-2, Class IB IO, 4.000%, 01/16/2040	483,142	53,270
Series 2015-62, Class CI IO, 4.500%, 05/20/2045	249,572	43,883
Series 2017-130, Class IO, 4.500%, 02/20/2040	264,613	42,877

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued)		
Series 2018-168, Class AI IO, 5.000%, 12/16/2048	\$ 362,640	\$ 62,174
Series 2018-6, Class LI IO, 5.000%, 07/16/2045	384,036	72,651
Series 2018-72, Class ID IO, 4.500%, 08/20/2045	188,867	32,542
Series 2020-74, Class IC IO, 3.000%, 05/20/2035	818,664	56,993
		7,895,953
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$15,564,359)		\$ 16,390,376
ASSET BACKED SECURITIES - 5.4%		
Ally Auto Receivables Trust		
Series 2018-2, Class A3, 2.920%, 11/15/2022	216,707	218,353
Series 2019-4, Class A3, 1.840%, 06/17/2024	260,000	263,890
American Express Credit Account Master Trust, Series 2017-5, Class B (1 month LIBOR + 0.580%), 0.739%, 02/18/2025 (J)	271,000	272,024
Ares XXVII CLO, Ltd., Series 2013-2A, Class CR (3 month LIBOR + 2.400%), 2.622%, 07/28/2029 (C)(J)	250,000	249,999
Barings CLO, Ltd., Series 2018-3A, Class A1 (3 month LIBOR + 0.950%), 1.168%, 07/20/2029 (C)(J)	250,000	248,979
Bluemountain CLO, Ltd., Series 2012-2A, Class AR2 (3 month LIBOR + 1.050%), 1.274%, 11/20/2028 (C)(J)	250,000	249,876
BMW Vehicle Lease Trust, Series 2018-1, Class A3, 3.260%, 07/20/2021	22,537	22,572
Bojangles Issuer LLC, Series 2020-1A, Class A2, 3.832%, 10/20/2050 (C)	125,000	127,694
California Street CLO XII, Ltd., Series 2013-12A, Class DR (3 month LIBOR + 3.250%), 3.487%, 10/15/2025 (C)(J)	250,000	250,029
Canadian Pacer Auto Receivables Trust, Series 2018-1A, Class A3, 3.000%, 11/19/2021 (C)	3,286	3,290
CCG Receivables Trust, Series 2018-1, Class A2, 2.500%, 06/16/2025 (C)	45,307	45,381
CF Hippolyta LLC, Series 2020-1, Class B1, 2.280%, 07/15/2060 (C)	243,367	247,133
Chesapeake Funding II LLC, Series 2020-1A, Class A1, 0.870%, 08/16/2032 (C)	91,415	91,865
CIFC Funding, Ltd. Series 2014-2RA, Class A1 (3 month LIBOR + 1.050%), 1.265%, 04/24/2030 (C)(J)	300,000	299,232
Series 2015-3A, Class AR (3 month LIBOR + 0.870%), 1.088%, 04/19/2029 (C)(J)	250,000	248,283

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
CoreVest American Finance Trust		
Series 2020-3, Class A, 1.358%, 08/15/2053 (C)	\$ 199,403	\$ 201,362
Series 2020-4, Class B, 1.707%, 12/15/2052 (C)	100,000	100,445
DB Master Finance LLC, Series 2019-1A, Class A2I, 3.787%, 05/20/2049 (C)	74,063	75,895
Domino's Pizza Master Issuer LLC, Series 2017-1A, Class A23, 4.118%, 07/25/2047 (C)	184,300	197,441
First Investors Auto Owner Trust, Series 2020-1A, Class A, 1.490%, 01/15/2025 (C)	207,581	208,958
Ford Credit Auto Lease Trust, Series 2020-B, Class A4, 0.690%, 10/15/2023	60,000	60,408
Ford Credit Auto Owner Trust, Series 2016-1, Class A, 2.310%, 08/15/2027 (C)	205,000	205,478
Ford Credit Floorplan Master Owner Trust, Series 2018-4, Class A, 4.060%, 11/15/2030	160,000	188,478
Gilbert Park CLO, Ltd., Series 2017-1A, Class B (3 month LIBOR + 1.600%), 1.837%, 10/15/2030 (C)(J)	280,000	279,024
Harriman Park CLO, Ltd., Series 2020-1A, Class D (3 month LIBOR + 3.640%), 3.858%, 04/20/2031 (C)(J)	250,000	250,398
Hertz Vehicle Financing II LP Series 2016-4A, Class A, 2.650%, 07/25/2022 (C)	76,149	76,308
Series 2019-3A, Class B, 3.030%, 12/26/2025 (C)	175,000	174,716
HIN Timeshare Trust, Series 2020-A, Class A, 1.390%, 10/09/2039 (C)	46,324	46,592
KKR CLO, Ltd., Series 2020, Class B (3 month LIBOR + 1.550%), 1.780%, 10/16/2030 (C)(J)	282,000	279,318
LCM XXV, Ltd. Series 25A, Class A (3 month LIBOR + 1.210%), 1.428%, 07/20/2030 (C)(J)	274,000	273,748
Series 25A, Class B2 (3 month LIBOR + 1.650%), 1.868%, 07/20/2030 (C)(J)	250,000	247,053
Madison Park Funding XIX, Ltd., Series 2015-19A, Class A2R2 (3 month LIBOR + 1.500%), 1.716%, 01/22/2028 (C)(J)	250,000	248,749
Magnetite XVIII, Ltd., Series 2016-18A, Class BR (3 month LIBOR + 1.500%), 1.721%, 11/15/2028 (C)(J)	250,000	248,595
Mercedes-Benz Auto Lease Trust, Series 2019-A, Class A3, 3.100%, 11/15/2021	53,683	53,904
MF1, Ltd, Series 2020-FL4, Class A (1 month LIBOR + 1.700%), 1.848%, 11/15/2035 (C)(J)	100,000	100,086
Mill City Mortgage Loan Trust, Series 2018-3, Class A1, 3.479%, 08/25/2058 (C)(I)	144,119	152,029

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Neuberger Berman CLO XVII, Ltd., Series 2014-17A, Class CR2 (3 month LIBOR + 2.000%), 2.216%, 04/22/2029 (C)(J)	\$ 250,000	\$ 249,336
Octagon Investment Partners 41, Ltd., Series 2019-2A, Class D (3 month LIBOR + 3.650%), 3.887%, 04/15/2031 (C)(J)	250,000	250,134
Palmer Square Loan Funding, Ltd., Series 2020-1A, Class A1 (3 month LIBOR + 0.800%), 1.024%, 02/20/2028 (C)(J)	225,250	224,702
Santander Drive Auto Receivables Trust Series 2018-5, Class C, 3.810%, 12/16/2024	159,016	160,771
Series 2020-1, Class A3, 2.030%, 02/15/2024	35,000	35,481
Series 2020-2, Class B, 0.960%, 11/15/2024	70,000	70,429
Sonic Capital LLC, Series 2020-1A, Class A2I, 3.845%, 01/20/2050 (C)	198,333	211,618
Summit Issuer LLC, Series 2020-1A, Class A2, 2.290%, 12/20/2050 (C)	55,000	55,011
Taco Bell Funding LLC, Series 2018-1A, Class A2I, 4.318%, 11/25/2048 (C)	269,500	273,351
Towd Point Mortgage Trust Series 2017-6, Class A1, 2.750%, 10/25/2057 (C)(I)	140,658	144,820
Series 2019-4, Class M2, 3.750%, 10/25/2059 (C)(I)	225,000	238,324
Treman Park CLO, Ltd., Series 2015-1A, Class C3RR (3 month LIBOR + 2.000%), 2.218%, 10/20/2028 (C)(J)	250,000	247,919
Vantage Data Centers LLC, Series 2019-1A, Class A2, 3.188%, 07/15/2044 (C)	157,867	165,215
Vericrest Opportunity Loan Trust Series 2020-NPL6, Class A1A, 3.967%, 04/25/2050 (C)	145,520	146,904
Series 2020-NPL2, Class A1A, 2.981%, 02/25/2050 (C)	65,999	66,103
Series 2019-NPL5, Class A1B, 4.250%, 09/25/2049 (C)	260,000	259,581
Verus Securitization Trust, Series 2020-NPL1, Class A1, 3.598%, 08/25/2050 (C)	131,881	132,860
VOLT LXXXV LLC, Series 2020-NPL1, Class A1A, 3.228%, 01/25/2050 (C)	67,283	67,472
VOLT LXXXVII LLC, Series 2020-NPL4, Class A1, 2.981%, 03/25/2050 (C)	258,455	258,746
VOLT XCI LLC, Series 2020-NPL7, Class A1, 3.105%, 11/25/2050 (C)	96,827	96,929
Voya CLO, Ltd., Series 2013-3, Class 3A (3 month LIBOR + 2.250%), 2.468%, 10/18/2031 (C)(J)	250,000	242,290

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Westlake Automobile Receivables Trust, Series 2020-1A, Class A2, 1.440%, 09/15/2023 (C)	\$ 297,037	\$ 298,759
World Omni Auto Receivables Trust, Series 2019-A, Class A3, 3.040%, 05/15/2024	148,755	151,630
TOTAL ASSET BACKED SECURITIES (Cost \$10,395,450)		\$ 10,555,970
COMMON STOCKS - 0.1%		
United States - 0.1%		
Oasis Petroleum, Inc. (B)	3,352	124,225
TOTAL COMMON STOCKS (Cost \$221,187)		\$ 124,225
PREFERRED SECURITIES - 0.0%		
United States - 0.0%		
Becton, Dickinson and Company, 6.000%	683	37,654
TOTAL PREFERRED SECURITIES (Cost \$35,158)		\$ 37,654
EXCHANGE-TRADED FUNDS - 4.6%		
iShares JP Morgan USD Emerging Markets Bond ETF	67,900	7,870,289
SPDR Blackstone/GSO Senior Loan ETF	15,000	684,750
SPDR Bloomberg Barclays Convertible Securities ETF	7,600	629,204
TOTAL EXCHANGE-TRADED FUNDS (Cost \$8,974,378)		\$ 9,184,243
PURCHASED OPTIONS - 0.0%		
Calls - 0.0%		
Over the Counter Option on 10 Year Interest Rate Swap. Pay a floating rate based on 3-month USD LIBOR and receive a fixed rate of 0.675% (Expiration Date: 2-19-21; Strike Rate: 0.675%; Counterparty: Bank of America Corp.) (B)(K)	8,360,000	12,226
Over the Counter Option on 10 Year Interest Rate Swap. Pay a floating rate based on 3-month USD LIBOR and receive a fixed rate of 0.675% (Expiration Date: 2-19-21; Strike Rate: 0.675%; Counterparty: Morgan Stanley & Co. International PLC) (B)(K)	8,360,000	12,226
Over the Counter Option on 10 Year Interest Rate Swap. Pay a floating rate based on 3-month USD LIBOR and receive a fixed rate of 0.675% (Expiration Date: 2-19-21; Strike Rate: 0.675%; Counterparty: Morgan Stanley & Co. International PLC) (B)(K)	12,350,000	18,061
TOTAL PURCHASED OPTIONS (Cost \$117,335)		\$ 42,513

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 1.1%		
Short-term funds - 1.1%		
John Hancock Collateral Trust, 0.1386% (L)(M)	5,683	\$ 56,869
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (L)	2,024,691	2,024,691
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,081,565)		\$ 2,081,560
Total Investments (Opportunistic Fixed Income Trust) (Cost \$186,197,980) - 98.3%		\$ 194,155,103
Other assets and liabilities, net - 1.7%		3,339,231
TOTAL NET ASSETS - 100.0%		\$ 197,494,334

Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CLP	Chilean Peso
COP	Colombian Peso
CZK	Czech Republic Koruna
EUR	Euro
GBP	Pound Sterling
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
ISK	Icelandic Krona
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
MYR	Malaysian Ringgit
PEN	Peruvian Nuevo Sol
PLN	Polish Zloty
RON	Romanian New Leu
RUB	Russian Ruble
THB	Thai Bhat
TRY	Turkish Lira
UYU	Uruguayan Peso
ZAR	South African Rand

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
CPI	Consumer Price Index
EURIBOR	Euro Interbank Offered Rate

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis ^A	Notional value ^A	Unrealized appreciation (depreciation)
10-Year Australian Treasury Bond Futures	11	Long	Mar 2021	\$1,246,171	\$1,248,072	\$1,901
10-Year Canada Government Bond Futures	5	Long	Mar 2021	585,718	585,671	(47)
10-Year U.S. Treasury Note Futures	141	Long	Mar 2021	19,390,636	19,469,016	78,380
Euro SCHATZ Futures	1	Long	Mar 2021	137,358	137,161	(197)
Ultra U.S. Treasury Bond Futures	31	Long	Mar 2021	6,712,305	6,620,438	(91,867)
Ultra U.S. Treasury Bond Futures	3	Long	Mar 2021	469,623	469,078	(545)
10-Year Mini Japan Government Bond Futures	5	Short	Mar 2021	(736,412)	(735,267)	1,145
2-Year U.S. Treasury Note Futures	22	Short	Mar 2021	(4,857,324)	(4,861,484)	(4,160)
5-Year U.S. Treasury Note Futures	7	Short	Mar 2021	(882,151)	(883,148)	(997)
Euro-BTP Italian Government Bond Futures	10	Short	Mar 2021	(1,847,368)	(1,857,030)	(9,662)
Euro-Buxl Futures	7	Short	Mar 2021	(1,913,658)	(1,926,151)	(12,493)
Euro-OAT Futures	22	Short	Mar 2021	(4,500,387)	(4,511,456)	(11,069)
German Euro BOBL Futures	14	Short	Mar 2021	(2,312,666)	(2,311,997)	669
German Euro BUND Futures	56	Short	Mar 2021	(12,133,084)	(12,152,780)	(19,696)

Opportunistic Fixed Income Trust (continued)

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
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)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	Non-income producing security.
(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 \$35,308,515 or 17.9% of the fund's net assets as of 12-31-20.
(D)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(E)	All or a portion of this security is on loan as of 12-31-20.
(F)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(G)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(H)	This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).
(I)	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.
(J)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(K)	For this type of option, notional amounts are equivalent to number of contracts.
(L)	The rate shown is the annualized seven-day yield as of 12-31-20.
(M)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

FUTURES (continued)

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
U.K. Long Gilt Bond Futures	12	Short	Mar 2021	(2,199,973)	(2,224,213)	\$(24,240)
U.S. Treasury Long Bond Futures	40	Short	Mar 2021	(6,946,367)	(6,927,500)	18,867
						\$(74,011)

[^] 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 5,098,000	USD 3,886,894	MSI	1/29/2021	\$44,503	—
CAD 299,000	USD 234,971	MSI	1/29/2021	—	\$(50)
CHF 111,000	USD 125,788	GSI	1/29/2021	—	(313)
CLP 2,056,941,000	USD 2,848,160	CITI	1/29/2021	46,494	—
CNY 12,306,000	USD 1,878,303	CITI	1/29/2021	11,146	—
COP 3,606,800,000	USD 1,054,302	CITI	1/29/2021	1,762	—
CZK 72,021,000	USD 3,356,102	BARC	1/29/2021	—	(2,761)
EUR 2,679,000	USD 3,255,502	BOA	1/29/2021	19,221	—
EUR 921,000	USD 1,129,303	BARC	1/29/2021	—	(3,503)
EUR 838,000	USD 1,022,740	CITI	1/29/2021	1,603	—
GBP 4,193,000	USD 5,676,018	BARC	1/29/2021	59,027	—
GBP 671,000	USD 895,394	JPM	1/29/2021	22,378	—
IDR 6,291,860,000	USD 445,088	BARC	1/29/2021	6,437	—
INR 70,570,000	USD 952,812	CITI	1/29/2021	11,148	—
INR 225,925,000	USD 3,071,720	MSI	1/29/2021	14,332	—
JPY 346,459,000	USD 3,346,067	CITI	1/29/2021	10,301	—
JPY 588,036,000	USD 5,694,492	MSI	1/29/2021	2,185	—
KRW 3,591,805,000	USD 3,280,487	JPM	1/29/2021	21,060	—
MXN 65,745,000	USD 3,308,957	MSI	1/29/2021	—	(14,098)
PHP 12,089,000	USD 250,731	JPM	1/29/2021	676	—
RUB 253,386,000	USD 3,440,491	BARC	1/29/2021	—	(21,948)
RUB 49,442,000	USD 669,130	CITI	1/29/2021	—	(2,086)
SEK 28,474,000	USD 3,412,224	GSI	1/29/2021	49,617	—
TRY 15,812,000	USD 1,984,413	BARC	1/29/2021	125,079	—
USD 124,142	AUD 163,000	CITI	1/29/2021	—	(1,558)
USD 7,009,065	AUD 9,193,000	MSI	1/29/2021	—	(80,251)
USD 556,308	CAD 715,000	BARC	1/29/2021	—	(5,461)
USD 6,429,888	CAD 8,182,000	MSI	1/29/2021	1,364	—
USD 3,278,414	CHF 2,893,000	GSI	1/29/2021	8,171	—
USD 3,291,915	COP 11,261,739,000	CITI	1/29/2021	—	(5,501)
USD 20,982,738	EUR 17,267,000	BOA	1/29/2021	—	(123,882)
USD 407,715	EUR 332,000	BARC	1/29/2021	1,889	—
USD 95,557	EUR 78,000	CITI	1/29/2021	212	—
USD 1,025,942	EUR 838,000	JPM	1/29/2021	1,598	—
USD 1,068,061	GBP 789,000	BARC	1/29/2021	—	(11,107)
USD 3,078,462	HUF 896,302,000	CITI	1/29/2021	59,071	—
USD 6,950,324	IDR 98,358,897,000	BARC	1/29/2021	—	(108,254)
USD 192,811	ILS 627,000	BARC	1/29/2021	—	(2,389)
USD 5,998,066	ILS 19,542,000	MSI	1/29/2021	—	(85,832)
USD 2,567,784	INR 189,903,000	MSI	1/29/2021	—	(26,221)
USD 14,161,818	JPY 1,462,406,000	MSI	1/29/2021	—	(5,435)
USD 13,968,737	KRW 15,294,370,000	JPM	1/29/2021	—	(89,676)
USD 3,107,334	MXN 61,739,000	MSI	1/29/2021	13,239	—
USD 2,115,004	NOK 18,330,000	GSI	1/29/2021	—	(22,766)
USD 947,532	NOK 8,140,000	MSI	1/29/2021	—	(1,810)
USD 3,335,418	NZD 4,667,000	CITI	1/29/2021	—	(22,991)
USD 3,258,166	PLN 11,837,000	CITI	1/29/2021	89,065	—
USD 5,671,761	RUB 417,715,000	BARC	1/29/2021	36,182	—
USD 194,657	SEK 1,594,000	BOA	1/29/2021	860	—
USD 3,373,634	SGD 4,502,000	BOA	1/29/2021	—	(32,923)
USD 2,859,837	THB 85,073,000	JPM	1/29/2021	20,270	—
USD 2,538,353	ZAR 38,244,000	BARC	1/29/2021	—	(55,278)
				\$678,890	\$(726,094)

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

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
BOA	26,670,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.340% USA CPI All Urban	Quarterly	Quarterly	Sep 2025	\$(4,583)	\$(51,266)	\$(55,849)
BOA	1,430,000	USD	Fixed 1.635%	Consumers	At Maturity	At Maturity	Feb 2050	—	275,409	275,409
CITI	29,430,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.390%	Quarterly	Quarterly	Jun 2025	—	(102,680)	(102,680)
CITI	41,170,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.340%	Quarterly	Quarterly	Sep 2025	(88,702)	2,472	(86,230)
CITI	27,880,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.340%	Quarterly	Quarterly	Sep 2025	(49,518)	(8,522)	(58,040)
CITI	3,921,240,000	COP	Fixed 4.330%	COP IBR Compounded OIS USA CPI All Urban	Quarterly	Quarterly	Sep 2030	—	(38,350)	(38,350)
JPM	2,590,000	USD	Fixed 1.830%	Consumers	At Maturity	At Maturity	Feb 2050	(65,463)	391,924	326,461
								\$(208,266)	\$468,987	\$260,721
Centrally cleared	7,270,000	PLN	Fixed 0.880%	PLN WIBOR WIBO	Annual	Semi-Annual	Sep 2030	1,301	25,824	27,125
Centrally cleared	41,750,000	ZAR	Fixed 7.190%	ZAR JIBAR SAFEX	Quarterly	Quarterly	Dec 2030	(4,945)	(130,795)	(135,740)
								\$(3,644)	\$(104,971)	\$(108,615)
								\$(211,910)	\$364,016	\$152,106

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	Republic of Indonesia	1,870,000	USD	\$1,870,000	1.000%	Quarterly	Dec 2025	\$(24,266)	\$(4,464)	\$(28,730)
BARC	Republic of Malaysia	1,900,000	USD	1,900,000	1.000%	Quarterly	Dec 2025	(40,377)	(19,613)	(59,990)
BARC	Republic of Malaysia	325,000	USD	325,000	1.000%	Quarterly	Dec 2025	(10,168)	(93)	(10,261)
BARC	Republic of Peru	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(6,142)	(1,069)	(7,211)
BARC	Russian Federation	675,000	USD	675,000	1.000%	Quarterly	Dec 2025	(2,110)	(2,045)	(4,155)
BOA	Federative Republic of Brazil	350,000	USD	350,000	1.000%	Quarterly	Dec 2025	9,070	(1,658)	7,412
BOA	Republic of Indonesia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(4,051)	(1,096)	(5,147)
BOA	Russian Federation	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(3,530)	1,499	(2,031)
CITI	Federative Republic of Brazil	5,000	USD	5,000	1.000%	Quarterly	Dec 2025	245	(139)	106
CITI	Federative Republic of Brazil	350,000	USD	350,000	1.000%	Quarterly	Dec 2025	7,848	(436)	7,412
CITI	Government of Mexico	765,000	USD	765,000	1.000%	Quarterly	Dec 2025	(4,086)	(3,222)	(7,308)
CITI	Government of Mexico	1,125,000	USD	1,125,000	1.000%	Quarterly	Dec 2025	(5,182)	(5,565)	(10,747)
CITI	Government of Mexico	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(2,608)	(592)	(3,200)
CITI	Government of Mexico	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(2,609)	(591)	(3,200)
CITI	Government of Mexico	340,000	USD	340,000	1.000%	Quarterly	Dec 2025	(2,151)	(1,097)	(3,248)
CITI	Government of Mexico	340,000	USD	340,000	1.000%	Quarterly	Dec 2025	(2,401)	(847)	(3,248)
CITI	Republic of Chile	1,000,000	USD	1,000,000	1.000%	Quarterly	Dec 2025	(14,659)	(12,713)	(27,372)
CITI	Republic of Chile	325,000	USD	325,000	1.000%	Quarterly	Dec 2025	(7,426)	(1,470)	(8,896)
CITI	Republic of Chile	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(8,271)	(762)	(9,033)
CITI	Republic of Chile	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(8,612)	(421)	(9,033)
CITI	Republic of Indonesia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(4,802)	(345)	(5,147)
CITI	Republic of Indonesia	340,000	USD	340,000	1.000%	Quarterly	Dec 2025	(5,118)	(87)	(5,205)
CITI	Republic of Malaysia	1,020,000	USD	1,020,000	1.000%	Quarterly	Dec 2025	(21,245)	(10,960)	(32,205)
CITI	Republic of Peru	660,000	USD	660,000	1.000%	Quarterly	Dec 2025	(12,603)	(1,819)	(14,422)
CITI	Republic of South Africa	365,000	USD	365,000	1.000%	Quarterly	Dec 2025	25,208	(7,424)	17,784
CITI	Russian Federation	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(4,336)	2,274	(2,062)
CITI	Russian Federation	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(4,089)	2,027	(2,062)
GSI	People's Republic of China	3,880,000	USD	3,880,000	1.000%	Quarterly	Dec 2024	(87,130)	(37,219)	(124,349)
GSI	Federative Republic of Brazil	350,000	USD	350,000	1.000%	Quarterly	Dec 2025	9,142	(1,730)	7,412
GSI	Government of Mexico	340,000	USD	340,000	1.000%	Quarterly	Dec 2025	(3,147)	(82)	(3,229)
GSI	Republic of Colombia	580,000	USD	580,000	1.000%	Quarterly	Dec 2025	(1,404)	(2,126)	(3,530)
GSI	Republic of Colombia	630,000	USD	630,000	1.000%	Quarterly	Dec 2025	(610)	(3,225)	(3,835)
GSI	Republic of Colombia	5,000	USD	5,000	1.000%	Quarterly	Dec 2025	(34)	4	(30)
GSI	Republic of Colombia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(2,117)	78	(2,039)
GSI	Republic of Colombia	340,000	USD	340,000	1.000%	Quarterly	Dec 2025	(1,816)	(244)	(2,060)
GSI	Republic of Indonesia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(4,302)	(845)	(5,147)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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
GSI	Republic of South Africa	5,000	USD	\$5,000	1.000%	Quarterly	Dec 2025	\$243	\$1	\$244
GSI	Russian Federation	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(3,840)	1,778	(2,062)
JPM	Republic of Korea	9,630,000	USD	9,630,000	1.000%	Quarterly	Dec 2024	(262,205)	(60,258)	(322,463)
JPM	People's Republic of China	325,000	USD	325,000	1.000%	Quarterly	Dec 2025	(11,168)	(332)	(11,500)
JPM	People's Republic of China	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(11,603)	(74)	(11,677)
JPM	Republic of Indonesia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(3,899)	(1,248)	(5,147)
JPM	Republic of Indonesia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(5,084)	(63)	(5,147)
JPM	Republic of South Africa	735,000	USD	735,000	1.000%	Quarterly	Dec 2025	60,464	(24,652)	35,812
JPM	Republic of South Africa	370,000	USD	370,000	1.000%	Quarterly	Dec 2025	29,097	(11,069)	18,028
MSI	Government of Japan	9,570,000	USD	9,570,000	1.000%	Quarterly	Dec 2024	(277,538)	(63,297)	(340,835)
MSI	Federative Republic of Brazil	355,000	USD	355,000	1.000%	Quarterly	Dec 2025	15,488	(7,970)	7,518
MSI	Federative Republic of Brazil	350,000	USD	350,000	1.000%	Quarterly	Dec 2025	10,926	(3,514)	7,412
MSI	Federative Republic of Brazil	350,000	USD	350,000	1.000%	Quarterly	Dec 2025	10,118	(2,706)	7,412
MSI	Federative Republic of Brazil	350,000	USD	350,000	1.000%	Quarterly	Dec 2025	8,660	(1,248)	7,412
MSI	Government of Mexico	10,000	USD	10,000	1.000%	Quarterly	Dec 2025	39	(135)	(96)
MSI	Government of Mexico	340,000	USD	340,000	1.000%	Quarterly	Dec 2025	(2,317)	(931)	(3,248)
MSI	Government of Mexico	340,000	USD	340,000	1.000%	Quarterly	Dec 2025	(2,487)	(761)	(3,248)
MSI	People's Republic of China	2,640,000	USD	2,640,000	1.000%	Quarterly	Dec 2025	(63,351)	(30,062)	(93,413)
MSI	Republic of Chile	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(8,118)	(915)	(9,033)
MSI	Republic of Chile	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(8,373)	(660)	(9,033)
MSI	Republic of Chile	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(8,289)	(744)	(9,033)
MSI	Republic of Colombia	380,000	USD	380,000	1.000%	Quarterly	Dec 2025	(2,215)	(98)	(2,313)
MSI	Republic of Colombia	290,000	USD	290,000	1.000%	Quarterly	Dec 2025	(1,265)	(500)	(1,765)
MSI	Republic of Indonesia	1,345,000	USD	1,345,000	1.000%	Quarterly	Dec 2025	(5,827)	(14,837)	(20,664)
MSI	Republic of Indonesia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(2,926)	(2,221)	(5,147)
MSI	Republic of Indonesia	335,000	USD	335,000	1.000%	Quarterly	Dec 2025	(4,635)	(512)	(5,147)
MSI	Republic of Malaysia	1,715,000	USD	1,715,000	1.000%	Quarterly	Dec 2025	(36,617)	(17,532)	(54,149)
MSI	Republic of Malaysia	1,840,000	USD	1,840,000	1.000%	Quarterly	Dec 2025	(58,449)	353	(58,096)
MSI	Republic of Peru	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(7,623)	412	(7,211)
MSI	Republic of South Africa	365,000	USD	365,000	1.000%	Quarterly	Dec 2025	21,081	(3,297)	17,784
MSI	CMBX.NA.BBB-7	2,030,000	USD	2,030,000	3.000%	Monthly	Jan 2047	45,552	357,993	403,545
MSI	CMBX.NA.BBB-8	2,080,000	USD	2,080,000	3.000%	Monthly	Oct 2057	98,955	233,605	332,560
MSI	CMBX.NA.BBB-13	350,000	USD	350,000	3.000%	Monthly	Dec 2072	22,948	(614)	22,334
				\$60,970,000				\$(714,147)	\$225,775	\$(488,372)
Centrally cleared	CDX.NA.HY.35	3,945,000	USD	3,945,000	5.000%	Quarterly	Dec 2025	(342,521)	(30,377)	(372,898)
Centrally cleared	iTraxx Europe Crossover Series 34 Version 1	495,000	EUR	600,311	5.000%	Quarterly	Dec 2025	(73,423)	1,037	(72,386)
Centrally cleared	iTraxx Europe Sub Financials Series 34 Version 1	1,455,000	EUR	1,751,610	1.000%	Quarterly	Dec 2025	9,433	(550)	8,883
				\$6,296,921				\$(406,511)	\$(29,890)	\$(436,401)
				\$67,266,921				\$(1,120,658)	\$195,885	\$(924,773)

Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	CDX.NA.IG.33	0.580%	9,425,000	USD	\$9,425,000	1.000%	Quarterly	Dec 2024	\$(132,485)	\$291,214	\$158,729
Centrally cleared	CDX.NA.IG.34	0.629%	7,390,000	USD	7,390,000	1.000%	Quarterly	Jun 2025	47,833	75,034	122,867
Centrally cleared	CDX.NA.IG.35	0.500%	11,270,000	USD	11,270,000	1.000%	Quarterly	Dec 2025	225,995	53,508	279,503
					\$28,085,000				\$141,343	\$419,756	\$561,099

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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 Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	11,300,000	Jun 2021	GSI	\$2,298	\$(426,606)	\$(424,308)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	2,660,000	Jun 2021	GSI	1,420	(24,967)	(23,547)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	5,580,000	Mar 2021	MSI	791	(28,658)	(27,867)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	9,490,000	Jun 2021	MSI	3,960	(114,317)	(110,357)
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	5,560,000	Mar 2021	JPM	(748)	264,891	264,143
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	745,000	Mar 2021	MSI	(106)	31,471	31,365
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	150,000	Mar 2021	MSI	(21)	6,336	6,315
								\$7,594	\$(291,850)	\$(284,256)

* 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.

Derivatives Currency Abbreviations

AUD	Australian Dollar
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
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
INR	Indian Rupee
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
NOK	Norwegian Krone
NZD	New Zealand Dollar
PHP	Philippine Peso
PLN	Polish Zloty
RUB	Russian Ruble
SEK	Swedish Krona
SGD	Singapore Dollar
THB	Thai Bhat
TRY	Turkish Lira
USD	U.S. Dollar
ZAR	South African Rand

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

Derivatives Abbreviations

BARC	Barclays Bank PLC
BOA	Bank of America, N.A.
CITI	Citibank, N.A.
CNREPOFIX	China Fixing Repo Rate
CPI	Consumer Price Index
GSI	Goldman Sachs International
IBR	Colombia Overnight Interbank Rate
JIBAR	Johannesburg Interbank Agreed Rate
JPM	JPMorgan Chase Bank, N.A.
LIBOR	London Interbank Offered Rate
MSI	Morgan Stanley & Co. International PLC
OIS	Overnight Index Swap
OTC	Over-the-counter
WIBOR	Warsaw Interbank Offered Rate

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

Select Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 35.6%		
U.S. Government – 11.8%		
U.S. Treasury Bonds		
1.375%, 08/15/2050	\$ 123,439,000	\$ 115,338,316
2.500%, 02/15/2045	47,465,000	56,498,183
2.750%, 11/15/2042	119,770,000	148,135,841
3.000%, 02/15/2047	37,979,000	49,565,562
3.125%, 11/15/2041	65,949,000	86,114,968
U.S. Treasury Notes		
0.125%, 10/31/2022 to 11/30/2022	111,320,000	111,329,749
0.375%, 11/30/2025	234,717,000	234,992,060
0.875%, 11/15/2030	119,775,000	119,307,129
		921,281,808
U.S. Government Agency – 23.8%		
Federal Home Loan Mortgage Corp.		
2.500%, 08/01/2050	74,084,787	79,174,286
3.000%, 03/01/2043 to 02/01/2050	238,162,916	254,275,213
3.500%, 04/01/2044 to 12/01/2049	156,643,554	170,608,155
4.000%, 03/01/2048 to 08/01/2048	31,014,251	33,656,035
Federal National Mortgage Association		
2.000%, TBA (A)	123,834,000	128,728,737
2.000%, 09/01/2050 to 10/01/2050	109,618,842	114,649,917
2.500%, TBA (A)	50,344,000	53,087,335
2.500%, 09/01/2050	1,983,067	2,119,300
2.625%, 09/06/2024 (B)	8,300,000	9,025,338
3.000%, 01/01/2043 to 11/01/2049	290,072,831	309,660,586
3.500%, 06/01/2042 to 03/01/2050	353,115,763	382,948,210
4.000%, 09/01/2040 to 07/01/2049	232,063,368	258,468,071
4.500%, 12/01/2040 to 05/01/2042	57,686,981	64,578,057
Government National Mortgage Association		
4.000%, 10/15/2039 to 11/15/2041	4,093,118	4,525,247
		1,865,504,487
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,666,372,537)		
		\$ 2,786,786,295
FOREIGN GOVERNMENT OBLIGATIONS – 0.5%		
Qatar – 0.3%		
State of Qatar		
3.375%, 03/14/2024 (C)	11,857,000	12,835,203
5.103%, 04/23/2048 (C)	8,410,000	11,821,668
		24,656,871

Select Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Saudi Arabia – 0.2%		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (C)	\$ 12,280,000	\$ 14,578,079
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$32,443,066)		
		\$ 39,234,950
CORPORATE BONDS – 40.4%		
Communication services – 4.0%		
Activision Blizzard, Inc.		
3.400%, 09/15/2026	5,073,000	5,768,638
AT&T, Inc.		
2.300%, 06/01/2027	6,382,000	6,802,307
2.550%, 12/01/2033 (C)	6,433,000	6,614,927
3.100%, 02/01/2043	10,027,000	10,141,453
3.500%, 09/15/2053 (C)	11,437,000	11,393,402
3.650%, 06/01/2051	2,927,000	3,059,353
Charter Communications Operating LLC		
4.200%, 03/15/2028	11,881,000	13,703,625
4.800%, 03/01/2050	15,035,000	17,939,521
5.750%, 04/01/2048	15,805,000	20,649,215
6.484%, 10/23/2045	13,673,000	19,374,432
Comcast Corp.		
3.999%, 11/01/2049	2,025,000	2,549,199
4.049%, 11/01/2052	11,306,000	14,432,788
4.150%, 10/15/2028	29,210,000	35,146,803
Cox Communications, Inc.		
1.800%, 10/01/2030 (C)	5,016,000	5,007,832
2.950%, 10/01/2050 (C)	6,903,000	7,044,273
Level 3 Financing, Inc.		
3.400%, 03/01/2027 (C)	6,456,000	7,028,131
T-Mobile USA, Inc.		
2.050%, 02/15/2028 (C)	12,548,000	13,051,928
2.550%, 02/15/2031 (C)	4,124,000	4,330,489
3.750%, 04/15/2027 (C)	5,869,000	6,683,617
3.875%, 04/15/2030 (C)	13,891,000	16,085,917
4.500%, 04/15/2050 (C)	7,980,000	9,842,412
Verizon Communications, Inc.		
2.650%, 11/20/2040	14,392,000	14,533,844
3.000%, 03/22/2027	2,177,000	2,410,600
4.329%, 09/21/2028	17,058,000	20,532,592
4.400%, 11/01/2034	7,740,000	9,652,244
4.500%, 08/10/2033	7,958,000	10,026,086
4.862%, 08/21/2046	13,237,000	17,860,682
		311,666,310

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary – 2.8%		
Amazon.com, Inc.		
3.150%, 08/22/2027	\$ 16,660,000	\$ 18,980,522
4.050%, 08/22/2047	9,136,000	12,043,079
AutoNation, Inc.		
4.750%, 06/01/2030	4,925,000	5,923,419
Booking Holdings, Inc.		
4.625%, 04/13/2030	4,238,000	5,263,388
Choice Hotels International, Inc.		
3.700%, 12/01/2029 to 01/15/2031	13,296,000	14,567,658
Daimler Finance North America LLC		
3.500%, 08/03/2025 (C)	5,990,000	6,662,951
Dollar General Corp.		
3.500%, 04/03/2030	6,395,000	7,337,463
Dollar Tree, Inc.		
4.200%, 05/15/2028	13,860,000	16,488,885
eBay, Inc.		
2.700%, 03/11/2030	10,950,000	11,773,101
Expedia Group, Inc.		
3.250%, 02/15/2030	9,432,000	9,811,246
3.800%, 02/15/2028	15,965,000	17,151,095
5.000%, 02/15/2026 (B)	13,035,000	14,544,008
General Motors Financial Company, Inc.		
3.600%, 06/21/2030	18,582,000	20,731,788
4.300%, 07/13/2025	7,929,000	8,894,729
Hyundai Capital America		
1.800%, 10/15/2025 (C)	4,018,000	4,118,609
2.375%, 10/15/2027 (C)	4,018,000	4,210,989
Magna International, Inc.		
2.450%, 06/15/2030	2,879,000	3,095,198
Nissan Motor Acceptance Corp.		
3.450%, 03/15/2023 (C)	3,950,000	4,122,801
Prosus NV		
4.850%, 07/06/2027 (C)	3,610,000	4,151,439
5.500%, 07/21/2025 (C)	8,425,000	9,667,688
Resorts World Las Vegas LLC		
4.625%, 04/16/2029 (C)	4,670,000	4,798,792
Starbucks Corp.		
2.250%, 03/12/2030	11,159,000	11,805,834
Tractor Supply Company		
1.750%, 11/01/2030	7,505,000	7,538,705
		<u>223,683,387</u>
Consumer staples – 0.6%		
Anheuser-Busch InBev Worldwide, Inc.		
4.600%, 04/15/2048	10,094,000	12,752,212
Cargill, Inc.		
2.125%, 04/23/2030 (C)	4,306,000	4,527,745
Coca-Cola Femsa SAB de CV		
2.750%, 01/22/2030	5,029,000	5,421,869
Constellation Brands, Inc.		
2.875%, 05/01/2030	3,295,000	3,608,663
Keurig Dr. Pepper, Inc.		
3.200%, 05/01/2030	3,170,000	3,587,250
The Clorox Company		
1.800%, 05/15/2030	10,582,000	10,914,470
The Kroger Company		
2.200%, 05/01/2030	5,402,000	5,673,442
		<u>46,485,651</u>
Energy – 2.7%		
Aker BP ASA		
2.875%, 01/15/2026 (C)	5,450,000	5,560,630
3.000%, 01/15/2025 (C)	6,211,000	6,517,205
4.000%, 01/15/2031 (C)	10,984,000	11,891,951
Cimarex Energy Company		
4.375%, 06/01/2024	3,353,000	3,656,498

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Colorado Interstate Gas Company LLC		
4.150%, 08/15/2026 (C)	\$ 3,045,000	\$ 3,458,499
Enbridge, Inc. (5.750% to 4-15-30, then 5 Year CMT + 5.314%) 07/15/2080	8,820,000	9,924,911
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.641%) 03/01/2078	7,284,000	7,963,232
Energy Transfer Operating LP		
4.200%, 04/15/2027	1,682,000	1,852,705
4.250%, 03/15/2023	6,857,000	7,286,182
5.150%, 03/15/2045	5,400,000	5,843,951
5.875%, 01/15/2024	4,810,000	5,405,328
Enterprise Products Operating LLC		
(5.250% to 8-16-27, then 3 month LIBOR + 3.033%) 08/16/2077	12,660,000	12,830,843
Husky Energy, Inc.		
3.950%, 04/15/2022	4,500,000	4,636,652
Kinder Morgan Energy Partners LP		
7.750%, 03/15/2032	4,555,000	6,459,494
Midwest Connector Capital Company LLC		
3.900%, 04/01/2024 (C)	9,512,000	9,748,410
MPLX LP		
4.000%, 03/15/2028	6,065,000	6,975,201
4.125%, 03/01/2027	2,007,000	2,313,925
4.250%, 12/01/2027	2,855,000	3,350,914
5.250%, 01/15/2025	5,370,000	5,510,961
Sabine Pass Liquefaction LLC		
4.200%, 03/15/2028	3,820,000	4,382,893
5.000%, 03/15/2027	4,746,000	5,593,965
5.875%, 06/30/2026	11,999,000	14,504,925
Saudi Arabian Oil Company		
2.875%, 04/16/2024 (C)	15,637,000	16,590,750
Sunoco Logistics Partners Operations LP		
3.900%, 07/15/2026	8,221,000	9,005,770
5.400%, 10/01/2047	8,136,000	9,163,874
The Williams Companies, Inc.		
3.750%, 06/15/2027	6,455,000	7,362,650
4.550%, 06/24/2024	14,035,000	15,707,856
TransCanada PipeLines, Ltd.		
4.250%, 05/15/2028	6,220,000	7,343,683
		<u>210,843,858</u>
Financials – 11.0%		
Ares Capital Corp.		
3.875%, 01/15/2026	7,885,000	8,542,188
4.200%, 06/10/2024	8,855,000	9,556,965
Ascot Group, Ltd.		
4.250%, 12/15/2030 (C)	4,815,000	4,905,281
Athene Holding, Ltd.		
3.500%, 01/15/2031	14,026,000	14,814,142
Australia & New Zealand Banking Group, Ltd. (6.750% to 6-15-26, then 5 Year ICE Swap Rate + 5.168%) 06/15/2026 (C)(D)	3,040,000	3,548,136
AXA SA		
8.600%, 12/15/2030	2,474,000	3,852,950
Banco Santander SA		
4.379%, 04/12/2028	7,600,000	8,861,006
Bank of America Corp.		
3.248%, 10/21/2027	12,100,000	13,537,542
3.950%, 04/21/2025	11,322,000	12,762,594
4.200%, 08/26/2024	3,340,000	3,746,785
4.450%, 03/03/2026	12,881,000	15,011,303
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	12,322,000	13,204,145

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Bank of America Corp. (2.831% to 10-24-50, then SOFR + 1.880%) 10/24/2051	\$ 7,284,000	\$ 7,582,764
Bank of America Corp. (4.271% to 7-23-28, then 3 month LIBOR + 1.310%) 07/23/2029	16,667,000	19,837,468
Barclays Bank PLC 10.179%, 06/12/2021 (C)	3,675,000	3,822,163
Barclays PLC 4.375%, 01/12/2026	7,380,000	8,504,280
BPCE SA 4.500%, 03/15/2025 (C)	7,805,000	8,821,199
5.700%, 10/22/2023 (C)	9,475,000	10,723,419
Brighthouse Financial, Inc. 3.700%, 06/22/2027	6,953,000	7,558,746
Cantor Fitzgerald LP 4.875%, 05/01/2024 (C)	9,631,000	10,720,543
Citigroup, Inc. 3.200%, 10/21/2026	11,812,000	13,197,093
4.600%, 03/09/2026	14,174,000	16,612,715
5.500%, 09/13/2025	4,375,000	5,257,773
Citizens Financial Group, Inc. 3.250%, 04/30/2030	11,890,000	13,423,663
CNA Financial Corp. 2.050%, 08/15/2030	4,015,000	4,091,164
CNO Financial Group, Inc. 5.250%, 05/30/2029	9,540,000	11,511,915
Credit Agricole SA 3.250%, 01/14/2030 (C)	12,902,000	14,148,843
Credit Suisse Group AG 3.574%, 01/09/2023 (C)	3,256,000	3,354,593
Discover Financial Services 3.950%, 11/06/2024	12,399,000	13,766,187
4.100%, 02/09/2027	4,203,000	4,840,497
GE Capital International Funding Company 4.418%, 11/15/2035	13,661,000	16,289,950
HSBC Holdings PLC (3.950% to 5-18-23, then 3 month LIBOR + 0.987%) 05/18/2024	13,550,000	14,615,056
HSBC Holdings PLC (6.875% to 6-1-21, then 5 Year ICE Swap Rate + 5.514%) 06/01/2021 (D)	6,220,000	6,328,850
Jefferies Financial Group, Inc. 5.500%, 10/18/2023	4,565,000	5,026,133
Jefferies Group LLC 4.150%, 01/23/2030	9,200,000	10,717,813
4.850%, 01/15/2027	9,813,000	11,474,733
JPMorgan Chase & Co. 2.950%, 10/01/2026	14,539,000	16,126,220
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	12,793,000	13,743,100
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	11,886,000	13,029,856
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	11,001,000	12,638,275
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (D)	8,070,000	8,332,275
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (D)	11,080,000	12,439,533

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Lazard Group LLC 4.375%, 03/11/2029	\$ 7,100,000	\$ 8,321,966
Lloyds Banking Group PLC 4.450%, 05/08/2025	16,755,000	19,207,521
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (B)(D)	4,160,000	4,518,800
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (C)	6,523,000	7,137,165
4.875%, 06/10/2025 (C)	7,810,000	8,860,453
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.205%) 12/15/2036	7,277,000	9,402,503
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 04/08/2038 (C)	2,567,000	3,911,571
Morgan Stanley 3.875%, 01/27/2026	5,139,000	5,893,490
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	21,595,000	22,805,006
Nationwide Building Society (3.622% to 4-26-22, then 3 month LIBOR + 1.181%) 04/26/2023 (C)	5,604,000	5,820,819
NatWest Group PLC 3.875%, 09/12/2023	10,921,000	11,848,878
NatWest Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	4,512,000	4,801,584
New York Life Insurance Company 3.750%, 05/15/2050 (C)	5,384,000	6,428,849
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year ICE Swap Rate + 3.650%) 10/16/2044 (C)	5,325,000	5,977,313
Ohio National Financial Services, Inc. 5.550%, 01/24/2030 (C)	3,660,000	3,824,595
Prudential Financial, Inc. (3.700% to 7-1-30, then 5 Year CMT + 3.035%) 10/01/2050	22,455,000	23,752,450
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.175%) 09/15/2042	13,898,000	14,913,370
Raymond James Financial, Inc. 4.650%, 04/01/2030	3,232,000	3,962,540
Regions Financial Corp. 2.250%, 05/18/2025	21,494,000	22,789,396
Santander Holdings USA, Inc. 3.244%, 10/05/2026	16,241,000	17,711,266
3.400%, 01/18/2023	5,645,000	5,929,107
3.450%, 06/02/2025	15,107,000	16,519,813
3.500%, 06/07/2024	15,140,000	16,353,458
4.400%, 07/13/2027	2,083,000	2,379,675
Stifel Financial Corp. 4.250%, 07/18/2024	3,316,000	3,724,968
SVB Financial Group 3.125%, 06/05/2030	7,717,000	8,684,207
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (C)	8,725,000	10,892,468
The Goldman Sachs Group, Inc. 3.850%, 01/26/2027	18,038,000	20,580,251
The PNC Financial Services Group, Inc. 3.150%, 05/19/2027	3,997,000	4,466,910
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (D)	3,652,000	3,811,775

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The PNC Financial Services Group, Inc. (6.750% to 8-1-21, then 3 month LIBOR + 3.678%) 08/01/2021 (D)	\$ 11,183,000	\$ 11,459,779
USAA Capital Corp. 2.125%, 05/01/2030 (C)	3,725,000	3,914,651
Wells Fargo & Company 3.550%, 09/29/2025	17,333,000	19,466,732
Wells Fargo & Company (2.188% to 4-30-25, then SOFR + 2.000%) 04/30/2026	14,578,000	15,345,935
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	18,928,000	20,142,824
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	9,762,000	10,619,414
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (D)	19,495,000	22,102,456
Zions Bancorp NA 3.250%, 10/29/2029	18,340,000	19,312,703
		858,476,517
Health care – 3.0%		
AbbVie, Inc. 3.200%, 11/21/2029	17,948,000	20,104,060
4.250%, 11/21/2049	6,159,000	7,719,501
AmerisourceBergen Corp. 2.800%, 05/15/2030	9,121,000	9,911,110
3.450%, 12/15/2027	9,200,000	10,479,196
Anthem, Inc. 2.250%, 05/15/2030	3,522,000	3,738,747
Cottage Health Obligated Group 3.304%, 11/01/2049	10,869,000	12,222,935
CVS Health Corp. 2.700%, 08/21/2040	6,008,000	6,069,206
3.000%, 08/15/2026	2,550,000	2,823,892
3.750%, 04/01/2030	7,985,000	9,287,929
4.300%, 03/25/2028	7,118,000	8,472,507
5.050%, 03/25/2048	11,164,000	15,106,838
Fresenius Medical Care US Finance III, Inc. 2.375%, 02/16/2031 (C)	12,621,000	12,819,905
3.750%, 06/15/2029 (C)	12,965,000	14,530,042
Gilead Sciences, Inc. 2.800%, 10/01/2050	9,459,000	9,371,115
HCA, Inc. 4.125%, 06/15/2029	13,127,000	15,221,234
Partners Healthcare System, Inc. 3.192%, 07/01/2049	14,595,000	16,056,504
Premier Health Partners 2.911%, 11/15/2026	7,827,000	8,221,330
Royalty Pharma PLC 1.750%, 09/02/2027 (C)	4,058,000	4,173,764
Shire Acquisitions Investments Ireland DAC 3.200%, 09/23/2026	12,537,000	14,021,517
Stanford Health Care 3.310%, 08/15/2030	3,557,000	4,048,609
Universal Health Services, Inc. 2.650%, 10/15/2030 (C)	5,145,000	5,341,094
5.000%, 06/01/2026 (C)	10,969,000	11,325,493
Viatrix, Inc. 2.300%, 06/22/2027 (C)	4,139,000	4,404,667
2.700%, 06/22/2030 (C)	8,321,000	8,824,822
		234,296,017

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials – 5.4%		
AerCap Ireland Capital DAC 2.875%, 08/14/2024	\$ 9,926,000	\$ 10,320,088
3.650%, 07/21/2027	2,918,000	3,178,848
Air Canada 2013-1 Class A Pass Through Trust 4.125%, 05/15/2025 (C)	2,897,708	2,748,102
Air Canada 2017-1 Class B Pass Through Trust 3.700%, 01/15/2026 (C)	4,551,958	4,174,726
Air Lease Corp. 2.875%, 01/15/2026	4,391,000	4,645,233
3.625%, 12/01/2027	4,932,000	5,323,279
Alaska Airlines 2020-1 Class B Pass Through Trust 8.000%, 08/15/2025 (C)	12,236,000	13,291,368
American Airlines 2013-1 Class A Pass Through Trust 4.000%, 07/15/2025	4,074,662	3,441,235
American Airlines 2015-1 Class A Pass Through Trust 3.375%, 05/01/2027	9,387,705	8,735,255
American Airlines 2016-1 Class A Pass Through Trust 4.100%, 01/15/2028 (B)	8,434,376	7,813,244
American Airlines 2016-1 Class AA Pass Through Trust 3.575%, 01/15/2028	7,385,496	7,276,879
American Airlines 2017-1 Class A Pass Through Trust 4.000%, 02/15/2029	5,598,206	5,044,751
American Airlines 2017-1 Class AA Pass Through Trust 3.650%, 02/15/2029	6,435,244	6,410,921
American Airlines 2017-2 Class A Pass Through Trust 3.600%, 10/15/2029	4,941,724	4,548,434
American Airlines 2019-1 Class A Pass Through Trust 3.500%, 02/15/2032	5,086,771	4,553,951
American Airlines 2019-1 Class AA Pass Through Trust 3.150%, 02/15/2032	7,620,503	7,370,707
Ashtead Capital, Inc. 4.250%, 11/01/2029 (C)	4,031,000	4,413,300
5.250%, 08/01/2026 (C)	9,165,000	9,703,444
BAE Systems PLC 1.900%, 02/15/2031 (C)	10,440,000	10,548,061
British Airways 2013-1 Class A Pass Through Trust 4.625%, 06/20/2024 (C)	3,381,050	3,341,196
British Airways 2018-1 Class A Pass Through Trust 4.125%, 09/20/2031 (C)	1,698,810	1,573,638
British Airways 2020-1 Class A Pass Through Trust 4.250%, 11/15/2032 (C)	4,448,000	4,753,800
Canadian Pacific Railway Company 2.050%, 03/05/2030	7,562,000	7,941,271
Carrier Global Corp. 2.722%, 02/15/2030	3,929,000	4,194,585
CNH Industrial Capital LLC 1.875%, 01/15/2026	16,368,000	17,137,421
1.950%, 07/02/2023	7,987,000	8,221,650

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Continental Airlines 2007-1 Class A Pass Through Trust		
5.983%, 04/19/2022	\$ 2,137,358	\$ 2,157,838
CoStar Group, Inc.		
2.800%, 07/15/2030 (C)	10,366,000	10,764,799
Delta Air Lines 2002-1 Class G-1 Pass Through Trust		
6.718%, 01/02/2023	1,312,974	1,344,063
Delta Air Lines, Inc.		
2.900%, 10/28/2024	15,545,000	15,334,535
3.800%, 04/19/2023	6,835,000	7,017,406
4.375%, 04/19/2028	9,405,000	9,454,179
4.500%, 10/20/2025 (C)	2,059,000	2,200,444
General Electric Company		
4.250%, 05/01/2040	11,092,000	13,095,853
5.550%, 01/05/2026	13,794,000	16,708,972
Huntington Ingalls Industries, Inc.		
3.844%, 05/01/2025 (A)	2,145,000	2,385,572
4.200%, 05/01/2030 (A)	9,053,000	10,701,796
IHS Markit, Ltd.		
4.000%, 03/01/2026 (C)	8,327,000	9,539,411
4.750%, 02/15/2025 (C)	2,050,000	2,352,580
4.750%, 08/01/2028	4,190,000	5,160,111
JetBlue 2019-1 Class AA Pass Through Trust		
2.750%, 05/15/2032	7,588,871	7,580,345
Johnson Controls International PLC		
1.750%, 09/15/2030	5,751,000	5,866,833
Lennox International, Inc.		
1.350%, 08/01/2025	5,302,000	5,422,858
Masco Corp.		
2.000%, 10/01/2030	7,012,000	7,134,993
Owens Corning		
3.950%, 08/15/2029	8,341,000	9,615,018
The Boeing Company		
3.200%, 03/01/2029	23,161,000	24,438,175
5.040%, 05/01/2027	10,376,000	12,125,751
5.805%, 05/01/2050	6,281,000	8,663,083
United Airlines 2014-2 Class A Pass Through Trust		
3.750%, 09/03/2026	9,514,840	9,514,477
United Airlines 2016-1 Class A Pass Through Trust		
3.450%, 07/07/2028	8,816,856	8,558,463
United Airlines 2016-1 Class B Pass Through Trust		
3.650%, 01/07/2026	9,961,024	9,663,269
United Airlines 2018-1 Class B Pass Through Trust		
4.600%, 03/01/2026	3,060,859	2,965,130
United Airlines 2019-1 Class A Pass Through Trust		
4.550%, 08/25/2031 (B)	7,009,096	6,853,375
United Airlines 2020-1 Class A Pass Through Trust		
5.875%, 10/15/2027	18,409,000	19,835,698
US Airways 2010-1 Class A Pass Through Trust		
6.250%, 04/22/2023	1,858,035	1,747,516
US Airways 2012-1 Class A Pass Through Trust		
5.900%, 10/01/2024	3,248,423	3,201,801
		422,109,731

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology – 4.9%		
Applied Materials, Inc.		
2.750%, 06/01/2050	\$ 5,796,000	\$ 6,293,509
Autodesk, Inc.		
2.850%, 01/15/2030	4,681,000	5,195,100
Broadcom Corp.		
3.125%, 01/15/2025	7,165,000	7,735,282
Broadcom, Inc.		
4.700%, 04/15/2025	11,034,000	12,642,254
4.750%, 04/15/2029	36,324,000	43,418,635
5.000%, 04/15/2030	12,571,000	15,273,865
Dell International LLC		
4.900%, 10/01/2026 (C)	10,965,000	12,944,787
5.300%, 10/01/2029 (C)	9,287,000	11,373,540
5.850%, 07/15/2025 (C)	3,860,000	4,635,951
8.350%, 07/15/2046 (C)	8,532,000	12,891,043
Hewlett Packard Enterprise Company		
4.900%, 10/15/2025	10,479,000	12,267,416
KLA Corp.		
4.100%, 03/15/2029	4,818,000	5,777,185
Lam Research Corp.		
4.000%, 03/15/2029	14,493,000	17,377,718
4.875%, 03/15/2049	5,964,000	8,606,157
Marvell Technology Group, Ltd.		
4.875%, 06/22/2028	10,010,000	11,819,179
Microchip Technology, Inc.		
0.972%, 02/15/2024 (C)	17,372,000	17,411,956
4.333%, 06/01/2023	18,809,000	20,359,783
Micron Technology, Inc.		
4.185%, 02/15/2027	21,464,000	25,281,375
4.975%, 02/06/2026	4,020,000	4,750,434
5.327%, 02/06/2029	16,374,000	20,473,003
Microsoft Corp.		
2.525%, 06/01/2050	7,583,000	7,980,508
Motorola Solutions, Inc.		
2.300%, 11/15/2030	9,695,000	9,876,772
4.600%, 02/23/2028 to 05/23/2029	13,818,000	16,641,839
NVIDIA Corp.		
2.850%, 04/01/2030	8,533,000	9,593,970
NXP BV		
3.400%, 05/01/2030 (C)	3,042,000	3,447,861
3.875%, 06/18/2026 (C)	12,831,000	14,688,901
Oracle Corp.		
2.950%, 04/01/2030	18,106,000	20,234,262
PayPal Holdings, Inc.		
2.850%, 10/01/2029	11,765,000	13,061,998
ServiceNow, Inc.		
1.400%, 09/01/2030	9,882,000	9,634,500
Visa, Inc.		
2.700%, 04/15/2040	4,508,000	4,913,941
		386,602,724
Materials – 1.9%		
Albemarle Wodgina Pty, Ltd.		
3.450%, 11/15/2029	7,500,000	7,978,021
Anglo American Capital PLC		
4.750%, 04/10/2027 (C)	5,485,000	6,467,981
Berry Global, Inc.		
1.570%, 01/15/2026 (C)	9,564,000	9,646,824
Colonial Enterprises, Inc.		
3.250%, 05/15/2030 (C)	19,334,000	21,855,840
Ecolab, Inc.		
1.300%, 01/30/2031	12,723,000	12,593,582
4.800%, 03/24/2030	7,250,000	9,246,288
Georgia-Pacific LLC		
2.300%, 04/30/2030 (C)	21,512,000	22,987,375

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Inversiones CMPC SA 3.850%, 01/13/2030 (C)	\$ 3,668,000	\$ 4,108,160
Newmont Corp. 2.800%, 10/01/2029	2,173,000	2,370,821
Nutrition & Biosciences, Inc. 1.832%, 10/15/2027 (C)	3,042,000	3,133,926
2.300%, 11/01/2030 (C)	6,085,000	6,264,107
Orbia Advance Corp. SAB de CV 5.500%, 01/15/2048 (C)	3,490,000	4,228,135
Steel Dynamics, Inc. 3.250%, 01/15/2031	1,479,000	1,652,954
Syngenta Finance NV 4.441%, 04/24/2023 (C)	10,880,000	11,417,179
5.676%, 04/24/2048 (C)	5,180,000	5,375,597
The Sherwin-Williams Company 2.300%, 05/15/2030	8,634,000	9,011,445
Vulcan Materials Company 3.500%, 06/01/2030	6,594,000	7,569,942
		145,908,177
Real estate – 2.2%		
American Homes 4 Rent LP 4.250%, 02/15/2028	6,215,000	7,143,277
American Tower Corp. 2.400%, 03/15/2025	7,146,000	7,597,097
2.950%, 01/15/2025	7,845,000	8,496,621
3.550%, 07/15/2027	13,925,000	15,744,729
3.800%, 08/15/2029	6,600,000	7,669,694
Crown Castle International Corp. 2.250%, 01/15/2031	12,255,000	12,704,426
3.300%, 07/01/2030	2,390,000	2,673,646
3.650%, 09/01/2027	11,831,000	13,351,898
4.150%, 07/01/2050	2,123,000	2,575,961
CyrusOne LP 2.150%, 11/01/2030	3,797,000	3,700,898
3.450%, 11/15/2029	8,590,000	9,240,521
Equinix, Inc. 1.550%, 03/15/2028	8,759,000	8,899,596
1.800%, 07/15/2027 (B)	3,053,000	3,141,423
3.200%, 11/18/2029	12,260,000	13,506,374
GLP Capital LP 3.350%, 09/01/2024	4,360,000	4,576,997
5.375%, 04/15/2026	6,385,000	7,327,873
Host Hotels & Resorts LP 4.500%, 02/01/2026	4,281,000	4,690,000
Prologis LP 1.250%, 10/15/2030	5,638,000	5,579,517
SBA Tower Trust 2.328%, 01/15/2028 (C)	21,448,000	21,613,012
2.836%, 01/15/2025 (C)	7,899,000	8,409,932
Ventas Realty LP 3.500%, 02/01/2025	4,775,000	5,257,748
		173,901,240
Utilities – 1.9%		
ABY Transmission Sur SA 6.875%, 04/30/2043 (C)	2,584,590	3,469,812
AES Panama Generation Holdings SRL 4.375%, 05/31/2030 (C)	5,952,000	6,439,469
Dominion Energy, Inc. 3.375%, 04/01/2030	6,413,000	7,301,201
Emera US Finance LP 3.550%, 06/15/2026	6,192,000	6,957,309
Engie Energia Chile SA 3.400%, 01/28/2030 (C)	8,250,000	8,940,938
Eversource Energy 1.650%, 08/15/2030	4,999,000	4,975,817

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Infraestructura Energetica Nova SAB de CV 4.750%, 01/15/2051 (C)	\$ 11,507,000	\$ 12,600,165
NextEra Energy Capital Holdings, Inc. 3.550%, 05/01/2027	12,260,000	13,954,095
NiSource, Inc. 1.700%, 02/15/2031	27,092,000	26,939,852
3.600%, 05/01/2030	4,105,000	4,747,714
NRG Energy, Inc. 2.450%, 12/02/2027 (C)	7,276,000	7,657,500
3.750%, 06/15/2024 (C)	6,545,000	7,157,023
Vistra Operations Company LLC 3.550%, 07/15/2024 (C)	12,479,000	13,511,806
3.700%, 01/30/2027 (C)	11,574,000	12,757,958
4.300%, 07/15/2029 (C)	8,710,000	9,881,413
		147,292,072
TOTAL CORPORATE BONDS (Cost \$2,902,271,940)		\$ 3,161,265,684
MUNICIPAL BONDS – 2.4%		
Central Plains Energy Project (Nebraska) 4.000%, 12/01/2049	7,370,000	8,465,108
City of New York, GO 0.982%, 08/01/2025 (A)	12,545,000	12,608,854
1.216%, 08/01/2026 (A)	5,170,000	5,232,454
Foothill-Eastern Transportation Corridor Agency (California) 4.094%, 01/15/2049	7,076,000	7,598,563
Maryland Health & Higher Educational Facilities Authority 3.197%, 07/01/2050	13,405,000	13,896,427
Mississippi Hospital Equipment & Facilities Authority 3.720%, 09/01/2026	7,677,000	8,211,933
New Jersey Transportation Trust Fund Authority 4.081%, 06/15/2039	9,117,000	9,584,337
4.131%, 06/15/2042	790,000	818,345
Ohio Air Quality Development Authority 2.100%, 10/01/2028	18,315,000	19,199,798
Ohio Turnpike & Infrastructure Commission 3.216%, 02/15/2048	6,950,000	7,083,996
Port Authority of New York & New Jersey 1.086%, 07/01/2023	19,174,000	19,459,693
Regents of the University of California Medical Center Pooled Revenue 3.006%, 05/15/2050	14,275,000	15,149,915
State Board of Administration Finance Corp. (Florida) 1.705%, 07/01/2027	12,324,000	12,792,189
Tennergy Corp. (Tennessee) 5.000%, 02/01/2050	13,270,000	15,404,480
University of California 1.316%, 05/15/2027	14,360,000	14,589,616
University of Virginia 2.256%, 09/01/2050	17,236,000	17,063,295
TOTAL MUNICIPAL BONDS (Cost \$180,971,063)		\$ 187,159,003
COLLATERALIZED MORTGAGE OBLIGATIONS – 7.6%		
Commercial and residential – 5.2%		
Angel Oak Mortgage Trust LLC Series 2020-R1, Class A1 0.990%, 04/25/2053 (C)(E)	11,687,000	11,688,343

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Arroyo Mortgage Trust Series 2019-3, Class A1 2.962%, 10/25/2048 (C)(E)	\$ 3,362,012	\$ 3,466,007
BAMLL Commercial Mortgage Securities Trust Series 2015-200P, Class A, 3.218%, 04/14/2033 (C)	5,706,000	6,182,134
Series 2015-200P, Class C, 3.596%, 04/14/2033 (C)(E)	6,760,000	7,251,715
BBCMS Mortgage Trust Series 2020-C6, Class A2 2.690%, 02/15/2053	4,700,000	4,967,156
Benchmark Mortgage Trust Series 2018-B1, Class A2, 3.571%, 01/15/2051	9,840,000	10,238,802
Series 2019-B12, Class A2, 3.001%, 08/15/2052	8,685,000	9,224,946
Series 2019-B14, Class A2, 2.915%, 12/15/2062	9,761,000	10,415,552
BRAVO Residential Funding Trust Series 2019-NQM1, Class A1 2.666%, 07/25/2059 (C)(E)	2,730,106	2,794,170
Bunker Hill Loan Depository Trust Series 2019-2, Class A1 2.879%, 07/25/2049 (C)	9,048,910	9,320,574
BX Commercial Mortgage Trust Series 2018-BIOA, Class D (1 month LIBOR + 1.321%), 1.480%, 03/15/2037 (C)(F)	6,122,000	6,120,201
Series 2020-VKNG, Class A (1 month LIBOR + 0.930%), 1.089%, 10/15/2037 (C)(F)	9,005,000	9,004,998
Cantor Commercial Real Estate Lending Series 2019-CF1, Class A2 3.623%, 05/15/2052	10,780,000	11,661,622
Citigroup Commercial Mortgage Trust Series 2015-GC29, Class A3, 2.935%, 04/10/2048	5,965,962	6,363,078
Series 2015-GC29, Class A4, 3.192%, 04/10/2048	11,950,000	13,041,177
Series 2015-GC33, Class A4, 3.778%, 09/10/2058	10,860,000	12,206,561
Series 2019-PRM, Class A, 3.341%, 05/10/2036 (C)	3,765,000	4,018,312
Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (C)	3,645,000	3,961,356
Series 2020-GC46, Class A2, 2.708%, 02/15/2053	13,170,000	13,939,939
COLT Mortgage Loan Trust Series 2020-1, Class A1 2.488%, 02/25/2050 (C)(E)	3,649,125	3,690,278
COLT Trust Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (C)(E)	14,277,876	14,347,358
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2016-CR28, Class A4, 3.762%, 02/10/2049	7,720,000	8,742,932
Series 2020-CX, Class D, 2.683%, 11/10/2046 (C)(E)	4,291,000	4,315,231

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Commercial Mortgage Trust (Deutsche Bank AG) Series 2020-CBM, Class A2 2.896%, 02/10/2037 (C)	\$ 5,531,000	\$ 5,515,830
Credit Suisse Mortgage Capital Certificates Series 2019-AFC1, Class A1, 2.573%, 07/25/2049 (C)	6,826,101	6,988,702
Series 2019-ICE4, Class B (1 month LIBOR + 1.230%), 1.389%, 05/15/2036 (C)(F)	3,709,000	3,707,887
Series 2020-AFC1, Class A1, 2.240%, 02/25/2050 (C)(E)	5,503,388	5,589,939
Series 2020-NET, Class A, 2.257%, 08/15/2037 (C)	2,085,000	2,159,704
DBJPM Mortgage Trust Series 2020-C9, Class A2 1.900%, 09/15/2053	8,480,000	8,753,435
Ellington Financial Mortgage Trust Series 2020-2, Class A1 1.178%, 10/25/2065 (C)(E)	11,575,199	11,585,473
GCAT Trust Series 2020-NQM1, Class A1 2.247%, 01/25/2060 (C)	7,769,316	7,948,773
GS Mortgage Securities Trust Series 2013-GC12, Class A3, 2.860%, 06/10/2046	11,611,000	11,902,321
Series 2019-GC40, Class A2, 2.971%, 07/10/2052	6,505,000	6,927,810
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (C)	5,820,000	5,935,964
GS Mortgage-Backed Securities Trust Series 2020-NQM1, Class A1 1.382%, 09/27/2060 (C)(E)	4,422,736	4,446,150
Irvine Core Office Trust Series 2013-IRV, Class A2 3.173%, 05/15/2048 (C)(E)	5,620,000	5,894,083
JPMCC Commercial Mortgage Securities Trust Series 2019-COR5, Class A2 3.150%, 06/13/2052	17,510,000	18,484,955
KNDL Mortgage Trust Series 2019-KNSQ, Class C (1 month LIBOR + 1.050%) 1.209%, 05/15/2036 (C)(F)	7,335,000	7,325,939
MFA Trust Series 2020-NQM1, Class A1, 1.479%, 03/25/2065 (C)(E)	3,231,621	3,252,425
Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (C)(E)	6,984,598	6,994,992
Morgan Stanley Bank of America Merrill Lynch Trust Series 2015-C25, Class A5 3.635%, 10/15/2048	10,945,000	12,259,140
Morgan Stanley Capital I Trust Series 2017-CLS, Class D (1 month LIBOR + 1.400%) 1.559%, 11/15/2034 (C)(F)	5,105,000	5,089,079
New Residential Mortgage Loan Trust Series 2020-1A, Class A1B 3.500%, 10/25/2059 (C)(E)	4,740,125	5,059,867

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
OBX Trust		
Series 2020-EXP2, Class A3 2.500%, 05/25/2060 (C)(E)	\$ 6,459,897	\$ 6,586,822
Provident Funding Mortgage Trust Series 2020-F1, Class A2 2.000%, 01/25/2036 (C)(E)	15,113,000	15,154,861
Seasoned Credit Risk Transfer Trust Series 2020-2, Class MA 2.000%, 11/25/2059	5,438,505	5,598,343
Starwood Mortgage Residential Trust Series 2020-1, Class A1, 2.275%, 02/25/2050 (C)(E)	4,201,931	4,294,414
Series 2020-3, Class A1, 1.486%, 04/25/2065 (C)(E)	5,629,912	5,667,046
Verus Securitization Trust Series 2020-5, Class A1 1.218%, 05/25/2065 (C)	4,532,821	4,539,185
Visio Trust Series 2020-1R, Class A1 1.312%, 11/25/2055 (C)	14,375,410	14,397,845
Wells Fargo Commercial Mortgage Trust Series 2019-C51, Class A2 3.039%, 06/15/2052	13,310,000	14,189,139
		403,212,565
U.S. Government Agency – 2.4%		
Federal Home Loan Mortgage Corp.		
Series K017, Class X1 IO, 1.286%, 12/25/2021	120,791,769	828,281
Series K018, Class X1 IO, 1.275%, 01/25/2022	92,130,769	743,836
Series K021, Class X1 IO, 1.404%, 06/25/2022	25,595,023	378,049
Series K022, Class X1 IO, 1.180%, 07/25/2022	137,765,859	1,873,230
Series K026, Class X1 IO, 0.957%, 11/25/2022	153,330,285	2,137,823
Series K038, Class A2, 3.389%, 03/25/2024	8,708,000	9,471,761
Series K038, Class X1 IO, 1.116%, 03/25/2024	52,327,112	1,581,927
Series K040, Class A2, 3.241%, 09/25/2024	13,239,000	14,510,376
Series K048, Class A2, 3.284%, 06/25/2025 (E)	8,485,000	9,446,387
Series K048, Class X1 IO, 0.238%, 06/25/2025	159,780,038	1,575,575
Series K049, Class A2, 3.010%, 07/25/2025	14,510,000	16,006,287
Series K052, Class A2, 3.151%, 11/25/2025	6,245,000	6,958,952
Series K064, Class A1, 2.891%, 10/25/2026	3,285,379	3,548,134
Series K727, Class A2, 2.946%, 07/25/2024	19,472,000	20,957,735
Series KIR3, Class A1, 3.038%, 08/25/2027	13,485,000	14,808,782
Government National		
Mortgage Association		
Series 2012-114, Class IO, 0.691%, 01/16/2053	26,952,537	739,869
Series 2016-174, Class IO, 0.865%, 11/16/2056	23,952,302	1,445,684

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2017-109, Class IO, 0.520%, 04/16/2057	\$ 30,952,008	\$ 1,278,627
Series 2017-124, Class IO, 0.695%, 01/16/2059	40,500,072	2,102,371
Series 2017-135, Class IO, 0.771%, 10/16/2058	49,245,379	2,648,416
Series 2017-140, Class IO, 0.553%, 02/16/2059	34,780,547	1,789,807
Series 2017-159, Class IO, 0.536%, 06/16/2059	67,127,716	3,213,632
Series 2017-20, Class IO, 0.704%, 12/16/2058	65,754,416	3,146,724
Series 2017-22, Class IO, 0.773%, 12/16/2057	25,829,866	1,477,355
Series 2017-41, Class IO, 0.702%, 07/16/2058	27,412,994	1,355,041
Series 2017-46, Class IO, 0.632%, 11/16/2057	30,869,431	1,509,222
Series 2017-61, Class IO, 0.745%, 05/16/2059	51,059,359	2,923,470
Series 2018-158, Class IO, 0.692%, 05/16/2061	31,109,054	2,092,809
Series 2018-69, Class IO, 0.584%, 04/16/2060	51,383,823	3,035,741
Series 2019-131, Class IO, 0.937%, 07/16/2061	43,613,470	3,181,367
Series 2020-100, Class IO, 0.908%, 05/16/2062	35,406,967	2,942,978
Series 2020-108, Class IO, 0.948%, 06/16/2062	80,661,876	6,726,289
Series 2020-114, Class IO, 0.930%, 09/16/2062	88,309,909	7,293,886
Series 2020-118, Class IO, 1.046%, 06/16/2062	76,205,571	6,588,764
Series 2020-119, Class IO, 0.819%, 08/16/2062	38,556,306	3,037,767
Series 2020-120, Class IO, 0.883%, 05/16/2062	18,485,453	1,498,087
Series 2020-137, Class IO, 0.911%, 09/16/2062	83,738,117	6,699,970
Series 2020-150, Class IO, 0.983%, 12/16/2062	52,730,495	4,469,542
Series 2020-170, Class IO, 0.886%, 11/16/2062	71,502,962	6,075,721
Series 2020-92, Class IO, 1.015%, 02/16/2062	79,635,340	6,889,556
		188,989,830
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		
(Cost \$605,751,307)		\$ 592,202,395
ASSET BACKED SECURITIES – 11.5%		
Abpci Direct Lending Fund		
Series 2020-1A, Class A 3.199%, 12/20/2030 (C)	9,473,000	9,473,000
Ally Master Owner Trust		
Series 2018-1, Class A2 2.700%, 01/17/2023	7,910,000	7,917,073
AmeriCredit Automobile Receivables Trust		
Series 2020-1, Class C 1.590%, 10/20/2025	7,850,000	7,994,671

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
AMSR Trust		
Series 2020-SFR1, Class A 1.819%, 04/17/2037 (C)	\$ 9,026,339	\$ 9,195,122
Series 2020-SFR2, Class A 1.632%, 07/17/2037 (C)	17,232,000	17,565,058
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (C)	12,046,000	12,147,720
Applebee's Funding LLC		
Series 2019-1A, Class A2I 4.194%, 06/07/2049 (C)	11,008,410	10,857,815
Arbys Funding LLC		
Series 2020-1A, Class A2 3.237%, 07/30/2050 (C)	9,893,205	10,108,976
Avis Budget Rental Car Funding AESOP LLC		
Series 2019-3A, Class A 2.360%, 03/20/2026 (C)	9,358,000	9,756,884
Series 2020-1A, Class A 2.330%, 08/20/2026 (C)	6,188,000	6,386,031
Bojangles Issuer LLC		
Series 2020-1A, Class A2 3.832%, 10/20/2050 (C)	5,760,000	5,884,128
CarMax Auto Owner Trust		
Series 2020-3, Class A3 0.620%, 03/17/2025	10,590,000	10,653,500
Series 2020-3, Class A4 0.770%, 03/16/2026	4,170,000	4,204,860
CARS-DB4 LP		
Series 2020-1A, Class A1 2.690%, 02/15/2050 (C)	9,017,435	9,288,134
Carvana Auto Receivables Trust		
Series 2020-P1, Class A4 0.610%, 10/08/2026	5,787,000	5,811,506
CF Hippolyta LLC		
Series 2020-1, Class A1 1.690%, 07/15/2060 (C)	9,392,042	9,566,935
CLI Funding VI LLC		
Series 2020-1A, Class A 2.080%, 09/18/2045 (C)	8,575,955	8,666,159
CoreVest American Finance Trust		
Series 2019-3, Class A 2.705%, 10/15/2052 (C)	2,364,336	2,491,790
Series 2020-3, Class A 1.358%, 08/15/2053 (C)	7,658,084	7,733,315
DB Master Finance LLC		
Series 2017-1A, Class A2II 4.030%, 11/20/2047 (C)	3,684,803	3,912,965
Domino's Pizza Master Issuer LLC		
Series 2017-1A, Class A23 4.118%, 07/25/2047 (C)	11,586,650	12,412,778
DRB Prime Student Loan Trust		
Series 2015-D, Class A2 3.200%, 01/25/2040 (C)	2,657,289	2,679,908
Series 2016-B, Class A2 2.890%, 06/25/2040 (C)	3,054,153	3,116,459
Driven Brands Funding LLC		
Series 2020-2A, Class A2 3.237%, 01/20/2051 (C)	7,194,000	7,188,250
Elara HGV Timeshare Issuer LLC		
Series 2019-A, Class A 2.610%, 01/25/2034 (C)	6,699,535	6,928,556
Exeter Automobile Receivables Trust		
Series 2020-1A, Class C 2.490%, 01/15/2025 (C)	14,330,000	14,645,912
FirstKey Homes Trust		
Series 2020-SFR1, Class A 1.339%, 09/17/2025 (C)	11,783,000	11,917,876

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
FirstKey Homes Trust (continued)		
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (C)	\$ 13,759,000	\$ 13,817,690
Five Guys Funding LLC		
Series 2017-1A, Class A2 4.600%, 07/25/2047 (C)	5,984,775	6,229,872
Ford Credit Auto Owner Trust		
Series 2018-1, Class A 3.190%, 07/15/2031 (C)	19,284,000	21,190,549
Series 2018-2, Class A 3.470%, 01/15/2030 (C)	10,177,000	10,912,757
Series 2020-1, Class A 2.040%, 08/15/2031 (C)	12,180,000	12,840,353
Ford Credit Floorplan Master Owner Trust		
Series 2019-2, Class A 3.060%, 04/15/2026	14,258,000	15,447,009
Series 2020-2, Class A 1.060%, 09/15/2027	11,403,000	11,567,874
GMF Floorplan Owner Revolving Trust		
Series 2019-2, Class A 2.900%, 04/15/2026 (C)	11,385,000	12,270,466
Series 2020-1, Class A 0.680%, 08/15/2025 (C)	5,302,000	5,333,351
Golden Credit Card Trust		
Series 2018-4A, Class A 3.440%, 08/15/2025 (C)	18,115,000	19,583,752
Golub Capital Partners Funding		
Series 2020-1A, Class A2 3.208%, 01/22/2029 (C)	7,732,000	7,735,626
GreatAmerica Leasing Receivables Funding LLC		
Series 2019-1, Class A4 3.210%, 02/18/2025 (C)	7,484,000	7,828,440
Hilton Grand Vacations Trust		
Series 2018-AA, Class A 3.540%, 02/25/2032 (C)	2,698,962	2,863,110
Home Partners of America Trust		
Series 2019-1, Class A 2.908%, 09/17/2039 (C)	13,889,742	14,605,694
Jack in the Box Funding LLC		
Series 2019-1A, Class A23 4.970%, 08/25/2049 (C)	4,019,625	4,324,353
Series 2019-1A, Class A2I 3.982%, 08/25/2049 (C)	4,813,625	4,932,136
John Deere Owner Trust		
Series 2020-B, Class A3 0.510%, 11/15/2024	4,821,000	4,836,479
Series 2020-B, Class A4 0.720%, 06/15/2027	4,500,000	4,541,333
Laurel Road Prime Student Loan Trust		
Series 2019-A, Class A2FX 2.730%, 10/25/2048 (C)	2,355,258	2,410,130
MVW LLC		
Series 2020-1A, Class A 1.740%, 10/20/2037 (C)	18,043,053	18,451,933
MVW Owner Trust		
Series 2018-1A, Class A 3.450%, 01/21/2036 (C)	4,521,769	4,699,342
Navient Private Education Loan Trust		
Series 2016-AA, Class A2A 3.910%, 12/15/2045 (C)	3,066,433	3,219,373
Navient Private Education Refi Loan Trust		
Series 2019-EA, Class A2A 2.640%, 05/15/2068 (C)	7,410,000	7,638,274

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Navient Private Education Refi Loan Trust (continued)		
Series 2019-FA, Class A2 2.600%, 08/15/2068 (C)	\$ 8,292,000	\$ 8,564,255
Series 2020-BA, Class A2 2.120%, 01/15/2069 (C)	12,863,000	13,209,087
Series 2020-GA, Class A 1.170%, 09/16/2069 (C)	15,067,417	15,180,784
Series 2020-HA, Class A 1.310%, 01/15/2069 (C)	19,128,000	19,322,574
Navient Student Loan Trust		
Series 2020-2A, Class A1A 1.320%, 08/26/2069 (C)	6,264,369	6,274,025
NRZ Excess Spread-Collateralized Notes		
Series 2020-PLS1, Class A 3.844%, 12/25/2025 (C)	3,680,000	3,681,358
Oxford Finance Funding LLC		
Series 2020-1A, Class A2 3.101%, 02/15/2028 (C)	9,574,000	9,799,040
PFS Financing Corp.		
Series 2018-F, Class A 3.520%, 10/15/2023 (C)	7,260,000	7,441,493
Series 2020-E, Class A 1.000%, 10/15/2025 (C)	6,863,000	6,912,178
Progress Residential Trust		
Series 2020-SFR1, Class A 1.732%, 04/17/2037 (C)	7,750,000	7,883,331
Series 2020-SFR2, Class A 2.078%, 06/17/2037 (C)	3,574,000	3,664,736
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (C)	10,361,000	11,014,974
SCF Equipment Leasing LLC		
Series 2020-1A, Class A3 1.190%, 10/20/2027 (C)	15,910,000	16,012,454
ServiceMaster Funding LLC		
Series 2020-1, Class A2II 3.337%, 01/30/2051 (C)	11,282,000	11,474,245
Sesac Finance LLC		
Series 2019-1, Class A2 5.216%, 07/25/2049 (C)	9,254,850	9,804,958
Sierra Timeshare Receivables Funding LLC		
Series 2018-3A, Class A 3.690%, 09/20/2035 (C)	2,933,993	3,063,720
SMB Private Education Loan Trust		
Series 2015-C, Class A2A 2.750%, 07/15/2037 (C)	2,255,225	2,287,605
Series 2016-A, Class A2A 2.700%, 05/15/2031 (C)	10,192,498	10,536,288
Series 2019-B, Class A2A 2.840%, 06/15/2037 (C)	12,040,000	12,713,900
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (C)	5,003,000	5,056,532
Sonic Capital LLC		
Series 2020-1A, Class A2I 3.845%, 01/20/2050 (C)	8,230,833	8,782,135
Series 2020-1A, Class A2II 4.336%, 01/20/2050 (C)	6,996,208	7,604,039
Sunbird Engine Finance LLC		
Series 2020-1A, Class A 3.671%, 02/15/2045 (C)	4,775,604	4,274,112
Taco Bell Funding LLC		
Series 2018-1A, Class A2I 4.318%, 11/25/2048 (C)	10,281,180	10,428,098

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Tesla Auto Lease Trust		
Series 2020-A, Class A3 0.680%, 12/20/2023 (C)	\$ 6,928,000	\$ 6,967,585
Series 2020-A, Class A4 0.780%, 12/20/2023 (C)	4,974,000	5,007,329
TIF Funding II LLC		
Series 2020-1A, Class A 2.090%, 08/20/2045 (C)	14,951,625	15,108,088
Towd Point Mortgage Trust		
Series 2017-1, Class A1 2.750%, 10/25/2056 (C)(E)	3,280,085	3,361,775
Series 2017-2, Class A1 2.750%, 04/25/2057 (C)(E)	1,978,112	2,022,178
Series 2018-3, Class A1 3.750%, 05/25/2058 (C)(E)	3,569,111	3,798,414
Series 2018-4, Class A1 3.000%, 06/25/2058 (C)(E)	8,557,271	9,081,507
Series 2019-4, Class A1 2.900%, 10/25/2059 (C)(E)	7,228,368	7,629,896
Series 2020-4, Class A1 1.750%, 10/25/2060 (C)	6,950,541	7,108,025
Toyota Auto Loan Extended Note Trust		
Series 2019-1A, Class A 2.560%, 11/25/2031 (C)	22,220,000	23,728,994
Series 2020-1A, Class A 1.350%, 05/25/2033 (C)	6,839,000	7,042,131
Toyota Auto Receivables Owner Trust		
Series 2020-C, Class A3 0.440%, 10/15/2024	5,106,000	5,123,728
Series 2020-C, Class A4 0.570%, 10/15/2025	3,854,000	3,879,170
Tricon American Homes Trust		
Series 2020-SFR1, Class A 1.499%, 07/17/2038 (C)	19,660,000	19,868,306
Series 2020-SFR2, Class A 1.482%, 11/17/2039 (C)	17,115,000	17,209,997
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (C)	16,591,749	16,784,120
Vantage Data Centers LLC		
Series 2019-1A, Class A2 3.188%, 07/15/2044 (C)	9,389,120	9,826,161
Series 2020-1A, Class A2 1.645%, 09/15/2045 (C)	8,780,000	8,840,136
Series 2020-2A, Class A2 1.992%, 09/15/2045 (C)	5,868,000	5,903,856
Verizon Owner Trust		
Series 2020-B, Class A 0.470%, 02/20/2025	14,789,000	14,841,477
Series 2020-C, Class C 0.770%, 04/21/2025	8,865,000	8,885,997
VR Funding LLC		
Series 2020-1A, Class A 2.790%, 11/15/2050 (C)	11,781,067	11,323,348
VSE VOI Mortgage LLC		
Series 2017-A, Class A 2.330%, 03/20/2035 (C)	4,493,337	4,587,989
Westgate Resorts LLC		
Series 2020-1A, Class A 2.713%, 03/20/2034 (C)	6,142,881	6,277,562
Westlake Automobile Receivables Trust		
Series 2019-1A, Class C 3.450%, 03/15/2024 (C)	3,615,000	3,688,378

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Willis Engine Structured Trust V Series 2020-A, Class A 3.228%, 03/15/2045 (C)	\$ 3,518,099	\$ 3,006,198
Wingstop Funding LLC Series 2020-1A, Class A2 2.841%, 12/05/2050 (C)	11,502,000	11,735,146
TOTAL ASSET BACKED SECURITIES (Cost \$883,452,667)		\$ 903,408,689
COMMON STOCKS – 0.0%		
Utilities – 0.0%		
Dominion Energy, Inc.	12,915	1,295,752
TOTAL COMMON STOCKS (Cost \$1,291,491)		\$ 1,295,752
PREFERRED SECURITIES – 0.1%		
Utilities – 0.1%		
DTE Energy Company, 6.250%	15,402	741,452
NextEra Energy, Inc., 5.279%	120,650	6,133,846
The Southern Company, 6.750%	19,330	1,003,227
TOTAL PREFERRED SECURITIES (Cost \$7,618,288)		\$ 7,878,525
SHORT-TERM INVESTMENTS – 3.5%		
Short-term funds – 0.1%		
John Hancock Collateral Trust, 0.1386% (G)(H)	1,319,249	13,200,540
Repurchase agreement – 3.4%		
Barclays Tri-Party Repurchase Agreement dated 12-31-20 at 0.050% to be repurchased at \$169,669,943 on 1-4-21, collateralized by \$173,110,500 U.S. Treasury Bills, 0.000% due 4-8-21 (valued at \$173,063,414)	\$ 169,669,000	169,669,000
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$94,149,000 on 1-4-21, collateralized by \$96,143,800 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$96,031,985)	94,149,000	94,149,000
		263,818,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$277,019,800)		\$ 277,018,540
Total Investments (Select Bond Trust) (Cost \$7,557,192,159) – 101.6%		\$ 7,956,249,833
Other assets and liabilities, net – (1.6%)		(128,804,266)
TOTAL NET ASSETS – 100.0%		\$ 7,827,445,567

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
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)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	All or a portion of this security is on loan as of 12-31-20.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$1,787,300,914 or 22.8% of the fund's net assets as of 12-31-20.

Select Bond Trust (continued)

- (D) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
- (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) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (G) The rate shown is the annualized seven-day yield as of 12-31-20.
- (H) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Short Term Government Income Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 92.7%		
U.S. Government – 34.4%		
U.S. Treasury Inflation Protected Securities		
0.625%, 04/15/2023	\$ 1,834,490	\$ 1,931,415
U.S. Treasury Notes		
0.125%, 05/31/2022 to 05/15/2023	5,170,000	5,169,369
0.250%, 04/15/2023 to 08/31/2025	10,500,000	10,516,289
1.375%, 02/15/2023	1,770,000	1,816,532
1.500%, 09/15/2022	4,000,000	4,093,281
1.875%, 07/31/2022	11,610,000	11,930,182
2.000%, 05/31/2024	4,500,000	4,775,098
2.125%, 03/31/2024	2,700,000	2,868,328
2.625%, 06/30/2023	5,485,000	5,822,242
2.750%, 07/31/2023	3,215,000	3,430,003
2.875%, 11/30/2023	13,345,000	14,393,312
		66,746,051
U.S. Government Agency – 58.3%		
Federal Agricultural Mortgage Corp.		
2.000%, 01/15/2021	4,965,000	4,968,059
Federal Farm Credit Bank		
0.500%, 12/23/2025	5,000,000	4,997,338
Federal Home Loan Bank		
1.375%, 02/17/2023	8,000,000	8,208,203
1.500%, 08/15/2024	2,770,000	2,901,220
2.875%, 09/13/2024	5,500,000	6,031,108
Federal Home Loan Mortgage Corp.		
0.250%, 09/08/2023	2,000,000	2,003,586
0.375%, 09/23/2025	3,060,000	3,054,080
0.450%, 08/04/2023	3,275,000	3,275,744
0.640%, 11/24/2025	2,000,000	2,006,135
0.650%, 10/22/2025	2,000,000	2,000,489
0.700%, 12/23/2025	2,000,000	2,000,093
0.800%, 10/27/2026	2,000,000	1,995,611
1.500%, 02/12/2025	6,000,000	6,292,973
2.500%, 09/01/2034	3,060,090	3,224,482
3.000%, 07/01/2030 to 12/01/2032	3,855,889	4,075,592
3.104%, (12 month LIBOR + 1.618%), 05/01/2045 (A)	635,201	664,646
3.500%, 04/01/2032	1,605,336	1,733,851
7.000%, 04/01/2031 to 04/01/2032	472	552
Federal National Mortgage Association		
0.375%, 08/25/2025	5,000,000	4,997,814
0.625%, 04/22/2025	4,000,000	4,046,206
0.650%, 12/17/2025	2,000,000	2,000,365
1.375%, 09/06/2022	6,000,000	6,127,275
2.125%, 04/24/2026	1,000,000	1,089,237
2.500%, 10/01/2027 to 09/01/2034	3,906,115	4,107,967
2.875%, 09/12/2023	7,005,000	7,505,365
3.000%, 03/01/2028 to 09/01/2034	10,076,399	10,724,989
3.500%, 07/01/2031 to 06/01/2034	6,098,256	6,585,931

John Hancock Variable Insurance Trust

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

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
6.500%, 01/01/2039	\$ 386,150	\$ 462,912
7.000%, 12/01/2026 to 01/01/2029	1,125	1,279
8.000%, 10/01/2024 to 09/01/2030	931	1,086
Government National Mortgage Association		
7.500%, 01/15/2027 to 03/15/2027	216	239
Tennessee Valley Authority		
3.875%, 02/15/2021	5,815,000	5,839,848
		112,924,275
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$174,955,141)		\$ 179,670,326
MUNICIPAL BONDS – 4.4%		
City of Houston (Texas)		
2.110%, 03/01/2025	1,000,000	1,059,680
3.628%, 05/15/2024	1,000,000	1,098,070
City of New York		
1.990%, 10/01/2026	1,000,000	1,052,960
3.250%, 03/01/2024	1,000,000	1,077,240
County of Orange (Florida)		
2.280%, 01/01/2026	1,000,000	1,051,610
Los Angeles Unified School District (California)		
1.540%, 09/15/2025	1,000,000	1,020,870
New York State Urban Development Corp.		
3.080%, 03/15/2024	1,000,000	1,074,700
State of California		
2.375%, 10/01/2026	1,000,000	1,090,690
TOTAL MUNICIPAL BONDS (Cost \$8,135,472)		\$ 8,525,820
COLLATERALIZED MORTGAGE OBLIGATIONS – 1.6%		
U.S. Government Agency – 1.6%		
Federal Home Loan Mortgage Corp.		
Series K017, Class X1 IO, 1.286%, 12/25/2021	20,689,929	141,873
Series K018, Class X1 IO, 1.275%, 01/25/2022	3,784,844	30,558
Series K022, Class X1 IO, 1.180%, 07/25/2022	10,626,966	144,497
Series K026, Class X1 IO, 0.957%, 11/25/2022	5,164,723	72,010
Series K030, Class X1 IO, 0.170%, 04/25/2023	132,431,311	464,263
Series K038, Class X1 IO, 1.116%, 03/25/2024	7,815,289	236,268
Series K718, Class X1 IO, 0.576%, 01/25/2022	18,432,898	66,738
Government National Mortgage Association		
Series 2012-114, Class IO, 0.691%, 01/16/2053	1,835,437	50,384
Series 2017-109, Class IO, 0.520%, 04/16/2057	2,299,671	94,999
Series 2017-124, Class IO, 0.695%, 01/16/2059	2,421,559	125,704
Series 2017-140, Class IO, 0.553%, 02/16/2059	1,157,826	59,582
Series 2017-20, Class IO, 0.704%, 12/16/2058	4,075,297	195,026
Series 2017-41, Class IO, 0.702%, 07/16/2058	2,471,184	122,152

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued)		
Series 2017-46, Class IO, 0.632%, 11/16/2057	\$ 2,758,736	\$ 134,876
Series 2017-61, Class IO, 0.745%, 05/16/2059	1,759,415	100,738
Series 2017-74, Class IO, 0.587%, 09/16/2058	2,023,072	83,782
Series 2017-89, Class IO, 0.713%, 07/16/2059	2,916,838	187,422
Series 2018-9, Class IO, 0.538%, 01/16/2060	2,288,528	114,760
Series 2020-118, Class IO, 1.046%, 06/16/2062	2,084,928	180,264
Series 2020-119, Class IO, 0.819%, 08/16/2062	1,062,458	83,709
Series 2020-120, Class IO, 0.883%, 05/16/2062	2,392,118	193,861
Series 2020-137, Class IO, 0.911%, 09/16/2062	1,649,989	132,017
Series 2020-170, Class IO, 0.886%, 11/16/2062	1,897,664	161,248
		3,176,731
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$4,160,058)		\$ 3,176,731
SHORT-TERM INVESTMENTS – 1.0%		
Repurchase agreement – 1.0%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$1,987,000 on 1-4-21, collateralized by \$2,029,100 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$2,026,740)		
	1,987,000	1,987,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,987,000)		\$ 1,987,000
Total Investments (Short Term Government Income Trust) (Cost \$189,237,671) – 99.7%		\$ 193,359,877
Other assets and liabilities, net – 0.3%		567,972
TOTAL NET ASSETS – 100.0%		\$ 193,927,849

Security Abbreviations and Legend

IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.

Strategic Income Opportunities Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 7.2%		
U.S. Government – 7.2%		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 800,000	\$ 867,031
2.750%, 11/15/2042	1,595,000	1,972,753
3.000%, 02/15/2049	6,200,000	8,162,203
4.375%, 02/15/2038	3,920,000	5,820,894
U.S. Treasury Inflation Protected Securities		
0.125%, 01/15/2030	2,226,510	2,482,793

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes		
0.125%, 10/31/2022	\$ 2,250,000	\$ 2,250,264
0.250%, 06/30/2025	1,075,000	1,072,061
1.125%, 02/28/2022	560,000	566,606
2.000%, 11/15/2026	2,215,000	2,410,110
2.375%, 02/29/2024 to 05/15/2029	4,750,000	5,301,361
2.625%, 02/15/2029	1,910,000	2,191,501
		33,097,577
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$28,665,755)		\$ 33,097,577
FOREIGN GOVERNMENT OBLIGATIONS – 18.9%		
Australia – 0.4%		
Commonwealth of Australia		
0.250%, 11/21/2024	AUD 1,615,000	1,248,840
New South Wales Treasury Corp.		
1.000%, 02/08/2024	660,000	521,373
		1,770,213
Austria – 0.3%		
Republic of Austria		
0.500%, 02/20/2029 (A)	EUR 1,105,000	1,462,628
Brazil – 0.4%		
Federative Republic of Brazil		
10.000%, 01/01/2025	BRL 8,850,000	1,969,903
Canada – 2.3%		
Canada Housing Trust No. 1		
1.950%, 12/15/2025 (A)	CAD 3,710,000	3,099,624
Export Development Canada		
2.400%, 06/07/2021	AUD 430,000	334,687
Government of Canada		
1.500%, 09/01/2024	CAD 3,110,000	2,549,057
Province of Ontario		
2.900%, 06/02/2028	1,185,000	1,052,648
3.450%, 06/02/2045	1,060,000	1,059,151
Province of Quebec		
0.200%, 04/07/2025	EUR 875,000	1,094,588
1.500%, 12/15/2023	GBP 497,000	705,302
3.000%, 09/01/2023	CAD 650,000	546,176
		10,441,233
China – 0.2%		
People's Republic of China		
1.990%, 04/09/2025	CNY 4,850,000	712,799
Colombia – 0.6%		
Republic of Colombia		
4.000%, 02/26/2024	\$ 1,480,000	1,600,250
10.000%, 07/24/2024	COP 3,354,500,000	1,192,370
		2,792,620
Greece – 0.5%		
Republic of Greece		
1.500%, 06/18/2030 (A)	EUR 1,020,000	1,345,297
2.000%, 04/22/2027 (A)	779,000	1,050,542
		2,395,839
India – 0.1%		
Republic of India		
6.450%, 10/07/2029	INR 33,000,000	466,479
Indonesia – 3.2%		
Perusahaan Penerbit SBSN Indonesia III		
4.150%, 03/29/2027 (A)	\$ 940,000	1,076,930
Republic of Indonesia		
2.150%, 07/18/2024 (A)	EUR 740,000	961,242
2.625%, 06/14/2023 (A)	850,000	1,098,110
3.850%, 10/15/2030	\$ 660,000	766,947

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Indonesia (continued)		
Republic of Indonesia (continued)		
6.125%, 05/15/2028	IDR 4,075,000,000	\$ 293,895
6.500%, 06/15/2025	33,948,000,000	2,545,361
6.625%, 05/15/2033	6,431,000,000	469,348
7.000%, 09/15/2030	23,300,000,000	1,795,178
7.500%, 08/15/2032 to 05/15/2038	11,864,000,000	927,733
8.125%, 05/15/2024	3,514,000,000	275,665
8.250%, 05/15/2029	4,891,000,000	400,538
8.375%, 03/15/2024 to 09/15/2026	23,452,000,000	1,875,964
8.750%, 05/15/2031	17,423,000,000	1,471,167
9.000%, 03/15/2029	6,709,000,000	569,664
		14,527,742
Ireland – 0.4%		
Republic of Ireland		
3.400%, 03/18/2024	EUR 1,377,000	1,903,170
Italy – 0.9%		
Republic of Italy		
1.250%, 02/17/2026 (B)	\$ 742,000	739,596
1.850%, 07/01/2025 (A)	EUR 1,710,000	2,272,867
4.750%, 08/01/2023 (A)	875,000	1,211,859
		4,224,322
Japan – 1.0%		
Government of Japan		
0.100%, 06/20/2025	JPY 487,900,000	4,770,992
Malaysia – 1.5%		
Government of Malaysia		
3.733%, 06/15/2028	MYR 1,930,000	522,458
3.828%, 07/05/2034	1,965,000	520,092
3.844%, 04/15/2033	4,313,000	1,145,949
3.882%, 03/14/2025	2,835,000	754,065
3.899%, 11/16/2027	3,370,000	919,067
4.059%, 09/30/2024	3,895,000	1,037,107
4.160%, 07/15/2021	7,083,000	1,783,684
		6,682,422
Mexico – 0.3%		
Government of Mexico		
7.750%, 05/29/2031	MXN 20,710,000	1,222,764
Norway – 1.1%		
Kingdom of Norway		
2.000%, 05/24/2023 (A)	NOK 17,125,000	2,076,101
3.750%, 05/25/2021 (A)	24,530,000	2,900,495
		4,976,596
Philippines – 0.7%		
Republic of the Philippines		
0.875%, 05/17/2027	EUR 1,465,000	1,819,798
6.250%, 01/14/2036	PHP 43,000,000	1,145,311
		2,965,109
Portugal – 1.8%		
Republic of Portugal		
0.475%, 10/18/2030 (A)	EUR 2,270,000	2,892,053
0.700%, 10/15/2027 (A)	435,000	565,626
3.850%, 04/15/2021 (A)	1,915,000	2,368,989
5.125%, 10/15/2024 (A)	\$ 1,905,000	2,212,848
		8,039,516
Qatar – 0.3%		
State of Qatar		
4.000%, 03/14/2029 (A)	875,000	1,036,875
4.817%, 03/14/2049 (A)	395,000	538,930
		1,575,805
Saudi Arabia – 0.1%		
Kingdom of Saudi Arabia		
2.900%, 10/22/2025 (A)	520,000	560,222

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Singapore – 0.6%			
Republic of Singapore			
1.750%, 04/01/2022	SGD	2,585,000	\$ 1,992,483
2.375%, 06/01/2025		650,000	534,247
			<u>2,526,730</u>
Spain – 0.5%			
Kingdom of Spain			
0.250%, 07/30/2024 (A)	EUR	875,000	1,099,047
0.800%, 07/30/2027 (A)		865,000	1,130,905
			<u>2,229,952</u>
Sweden – 0.5%			
Kingdom of Sweden			
0.125%, 04/24/2023 (A)		1,880,000	2,334,354
United Arab Emirates – 0.8%			
Government of Abu Dhabi			
0.750%, 09/02/2023 (A)	\$	560,000	561,400
1.700%, 03/02/2031 (A)		925,000	924,427
2.500%, 04/16/2025 (A)		740,000	790,542
3.125%, 04/16/2030 (A)		730,000	824,316
3.875%, 04/16/2050 (A)		475,000	579,025
			<u>3,679,710</u>
United Kingdom – 0.4%			
Government of United Kingdom			
0.500%, 07/22/2022	GBP	920,000	1,270,874
3.750%, 09/07/2021		530,000	743,684
			<u>2,014,558</u>
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost			
\$81,796,824)			\$ 86,245,678
CORPORATE BONDS – 56.9%			
Communication services – 9.8%			
Alphabet, Inc.			
1.100%, 08/15/2030	\$	765,000	753,657
Alice Financing SA			
7.500%, 05/15/2026 (A)		1,785,000	1,883,711
Alice France SA			
7.375%, 05/01/2026 (A)		535,000	563,088
ANGI Group LLC			
3.875%, 08/15/2028 (A)		660,000	671,708
CCO Holdings LLC			
4.250%, 02/01/2031 (A)		165,000	173,887
4.500%, 08/15/2030 (A)		735,000	780,019
4.750%, 03/01/2030 (A)		1,030,000	1,111,370
5.125%, 05/01/2027 (A)		1,680,000	1,782,799
Cellnex Telecom SA			
1.875%, 06/26/2029	EUR	500,000	627,292
Charter Communications Operating LLC			
2.800%, 04/01/2031	\$	230,000	242,965
5.125%, 07/01/2049		1,790,000	2,181,302
5.750%, 04/01/2048		790,000	1,032,134
CSC Holdings LLC			
3.375%, 02/15/2031 (A)		385,000	377,781
4.625%, 12/01/2030 (A)		910,000	949,813
5.375%, 02/01/2028 (A)		1,135,000	1,211,613
5.500%, 05/15/2026 to 04/15/2027 (A)		1,925,000	2,031,400
5.750%, 01/15/2030 (A)		2,120,000	2,324,050
5.875%, 09/15/2022		770,000	815,238
6.500%, 02/01/2029 (A)		200,000	225,810
7.500%, 04/01/2028 (A)		1,130,000	1,270,775
DISH DBS Corp.			
5.875%, 07/15/2022		1,260,000	1,316,700
GCI LLC			
4.750%, 10/15/2028 (A)		400,000	426,620
LCPR Senior Secured Financing DAC			
6.750%, 10/15/2027 (A)		1,395,000	1,501,369

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Level 3 Financing, Inc.		
4.625%, 09/15/2027 (A)	\$ 165,000	\$ 172,332
Lions Gate Capital Holdings LLC		
5.875%, 11/01/2024 (A)	381,000	386,715
6.375%, 02/01/2024 (A)	1,335,000	1,368,375
Match Group Holdings II LLC		
4.125%, 08/01/2030 (A)	705,000	731,438
Millicom International Cellular SA		
4.500%, 04/27/2031 (A)(B)	530,000	572,400
Netflix, Inc.		
3.625%, 06/15/2025 (A)	1,250,000	1,338,425
4.875%, 04/15/2028	40,000	45,108
5.375%, 11/15/2029 (A)	1,110,000	1,308,413
Radiate Holdco LLC		
4.500%, 09/15/2026 (A)	1,155,000	1,191,094
Sirius XM Radio, Inc.		
4.125%, 07/01/2030 (A)	100,000	106,438
5.375%, 07/15/2026 (A)	565,000	589,013
Sprint Corp.		
7.125%, 06/15/2024	165,000	192,949
T-Mobile USA, Inc.		
3.750%, 04/15/2027 (A)	625,000	711,750
4.500%, 02/01/2026	605,000	618,513
4.750%, 02/01/2028	165,000	177,357
6.500%, 01/15/2026	795,000	822,825
Total Play Telecomunicaciones SA de CV		
7.500%, 11/12/2025 (A)	895,000	893,434
Townsquare Media, Inc.		
6.875%, 02/01/2026 (A)	385,000	403,634
TripAdvisor, Inc.		
7.000%, 07/15/2025 (A)	795,000	858,600
Verizon Communications, Inc.		
1.500%, 09/18/2030	550,000	541,277
4.329%, 09/21/2028	770,000	926,843
Virgin Media Finance PLC		
5.000%, 07/15/2030 (A)	720,000	747,000
Virgin Media Secured Finance PLC		
4.500%, 08/15/2030 (A)	670,000	700,150
5.500%, 05/15/2029 (A)	200,000	216,750
Vmed O2 UK Financing I PLC		
3.250%, 01/31/2031 (A)	EUR 735,000	921,169
4.250%, 01/31/2031 (A)	\$ 1,675,000	1,711,247
VTR Comunicaciones SpA		
5.125%, 01/15/2028 (A)	520,000	553,800
VTR Finance NV		
6.375%, 07/15/2028 (A)	310,000	338,675
WMG Acquisition Corp.		
5.500%, 04/15/2026 (A)	1,585,000	1,636,513
		<u>45,037,338</u>
Consumer discretionary – 5.8%		
BMW Finance NV		
1.000%, 11/14/2024	EUR 410,000	522,239
Carvana Company		
5.875%, 10/01/2028 (A)	\$ 1,190,000	1,235,625
ESH Hospitality, Inc.		
5.250%, 05/01/2025 (A)	820,000	840,500
Expedia Group, Inc.		
3.800%, 02/15/2028	1,335,000	1,434,182
5.000%, 02/15/2026	302,000	336,961
6.250%, 05/01/2025 (A)	1,040,000	1,205,252
Ford Motor Company		
8.500%, 04/21/2023	910,000	1,026,098
Ford Motor Credit Company LLC		
2.748%, 06/14/2024	GBP 316,000	431,577

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Ford Motor Credit		
Company LLC (continued)		
2.979%, 08/03/2022	\$ 415,000	\$ 421,931
3.087%, 01/09/2023	280,000	284,885
3.350%, 11/01/2022	485,000	493,488
3.370%, 11/17/2023	580,000	591,478
3.813%, 10/12/2021	310,000	313,488
4.000%, 11/13/2030	255,000	268,242
4.125%, 08/17/2027	205,000	214,738
4.250%, 09/20/2022	200,000	206,432
4.542%, 08/01/2026	445,000	475,038
Graham Holdings Company		
5.750%, 06/01/2026 (A)	865,000	908,250
Hilton Domestic Operating Company, Inc.		
4.875%, 01/15/2030	130,000	142,025
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
5.250%, 06/01/2026 (A)	1,546,000	1,603,975
Lennar Corp.		
4.750%, 11/29/2027	1,755,000	2,074,059
MGM Resorts International		
4.750%, 10/15/2028	105,000	112,546
New Red Finance, Inc.		
3.875%, 01/15/2028 (A)	1,260,000	1,279,870
4.000%, 10/15/2030 (A)	2,414,000	2,448,182
4.250%, 05/15/2024 (A)	759,000	774,180
5.750%, 04/15/2025 (A)	620,000	663,400
Nissan Motor Company, Ltd.		
3.522%, 09/17/2025 (A)(B)	585,000	627,151
4.810%, 09/17/2030 (A)	730,000	822,567
Wyndham Hotels & Resorts, Inc.		
4.375%, 08/15/2028 (A)	660,000	685,773
Yum! Brands, Inc.		
3.625%, 03/15/2031	1,625,000	1,642,599
4.750%, 01/15/2030 (A)	2,173,000	2,382,695
		26,469,426
Consumer staples – 2.9%		
Albertsons Companies, Inc.		
4.875%, 02/15/2030 (A)	80,000	88,150
Diageo Finance PLC		
1.875%, 03/27/2027	EUR 147,000	200,077
JBS Investments II GmbH		
7.000%, 01/15/2026 (A)	\$ 960,000	1,036,512
Kraft Heinz Foods Company		
3.000%, 06/01/2026	715,000	746,482
3.750%, 04/01/2030 (A)	1,285,000	1,372,672
3.875%, 05/15/2027 (A)	370,000	398,473
3.950%, 07/15/2025	334,000	367,754
4.250%, 03/01/2031 (A)	1,795,000	2,000,440
Lamb Weston Holdings, Inc.		
4.875%, 05/15/2028 (A)	35,000	39,069
MARB BondCo PLC		
6.875%, 01/19/2025 (A)	605,000	625,425
Molson Coors Beverage Company		
1.250%, 07/15/2024	EUR 465,000	584,398
Natura Cosmeticos SA		
5.375%, 02/01/2023 (A)	\$ 210,000	215,252
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (A)	205,000	223,196
Post Holdings, Inc.		
5.000%, 08/15/2026 (A)	1,795,000	1,853,338
5.500%, 12/15/2029 (A)	285,000	311,006
5.625%, 01/15/2028 (A)	1,255,000	1,336,575

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Post Holdings, Inc. (continued)		
5.750%, 03/01/2027 (A)	\$ 1,955,000	\$ 2,069,856
		13,468,675
Energy – 5.8%		
Aker BP ASA		
2.875%, 01/15/2026 (A)	170,000	173,451
3.750%, 01/15/2030 (A)	985,000	1,034,039
4.750%, 06/15/2024 (A)	700,000	724,196
5.875%, 03/31/2025 (A)	155,000	160,564
Apache Corp.		
4.375%, 10/15/2028	100,000	104,098
Cenovus Energy, Inc.		
4.250%, 04/15/2027	160,000	174,662
5.250%, 06/15/2037	194,000	219,388
5.375%, 07/15/2025	519,000	585,038
5.400%, 06/15/2047	777,000	910,807
6.750%, 11/15/2039	528,000	697,267
Enbridge, Inc.		
3.125%, 11/15/2029	990,000	1,087,992
4.250%, 12/01/2026	765,000	894,739
EOG Resources, Inc.		
4.375%, 04/15/2030	630,000	765,285
EQT Corp.		
3.900%, 10/01/2027	165,000	163,919
Husky Energy, Inc.		
3.500%, 02/07/2028	CAD 125,000	102,265
Indika Energy Capital III Pte, Ltd.		
5.875%, 11/09/2024 (A)	\$ 1,025,000	1,050,625
Kinder Morgan, Inc.		
2.000%, 02/15/2031	475,000	479,745
4.300%, 06/01/2025 to 03/01/2028	690,000	794,706
Medco Oak Tree Pte, Ltd.		
7.375%, 05/14/2026 (A)	1,100,000	1,177,086
Pertamina Persero PT		
3.650%, 07/30/2029 (A)	295,000	328,188
4.300%, 05/20/2023 (A)	805,000	863,305
Petrobras Global Finance BV		
5.093%, 01/15/2030	2,885,000	3,223,988
5.750%, 02/01/2029	720,000	839,520
5.999%, 01/27/2028	255,000	298,480
6.900%, 03/19/2049	1,110,000	1,406,925
Petroleos del Peru SA		
5.625%, 06/19/2047 (A)	697,000	852,961
Saudi Arabian Oil Company		
2.250%, 11/24/2030 (A)	400,000	407,103
3.500%, 04/16/2029 (A)	985,000	1,094,315
4.250%, 04/16/2039 (A)	740,000	866,603
4.375%, 04/16/2049 (A)	475,000	573,675
Targa Resources Partners LP		
5.500%, 03/01/2030	100,000	108,570
TC PipeLines LP		
3.900%, 05/25/2027	165,000	185,513
The Williams Companies, Inc.		
3.500%, 11/15/2030	80,000	90,557
3.750%, 06/15/2027	705,000	804,131
TransCanada PipeLines, Ltd.		
4.100%, 04/15/2030	1,310,000	1,546,942
4.250%, 05/15/2028	445,000	525,392
Transcontinental Gas Pipe Line Company LLC		
3.250%, 05/15/2030	80,000	89,599
Valero Energy Corp.		
2.850%, 04/15/2025	610,000	649,551
3.400%, 09/15/2026	470,000	515,207
		26,570,397

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials – 12.4%		
American International Group, Inc. (8.175% to 5-15-38, then 3 month LIBOR + 4.195%) 05/15/2058	\$ 1,700,000	\$ 2,487,489
Asian Development Bank 5.000%, 03/09/2022	AUD 940,000	766,132
Banco Actinver SA 4.800%, 12/18/2032 (A)	\$ 215,000	156,345
9.500%, 12/18/2032 (A)	MXN 12,100,000	450,143
Bank of America Corp. 6.110%, 01/29/2037	\$ 1,015,000	1,476,829
Bank of America Corp. (1.197% to 10-24-25, then SOFR + 1.010%) 10/24/2026	1,190,000	1,205,574
Bank of America Corp. (1.319% to 6-19-25, then SOFR + 1.150%) 06/19/2026	1,280,000	1,307,031
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	845,000	905,494
Bank of America Corp. (2.884% to 10-22-29, then 3 month LIBOR + 1.190%) 10/22/2030	475,000	521,331
Bank of America NA 6.000%, 10/15/2036	320,000	478,125
Berkshire Hathaway Finance Corp. 2.375%, 06/19/2039	GBP 610,000	982,565
Berkshire Hathaway, Inc., Zero Coupon 0.000%, 03/12/2025	EUR 975,000	1,197,788
BNG Bank NV 0.250%, 06/07/2024	395,000	495,281
BNP Paribas SA (6.625% to 3-25-24, then 5 Year U.S. Swap Rate + 4.149%) 03/25/2024 (A)(C)	\$ 200,000	218,250
Chubb INA Holdings, Inc. 0.300%, 12/15/2024	EUR 875,000	1,083,674
Citigroup, Inc. 4.125%, 07/25/2028	\$ 670,000	783,463
Citigroup, Inc. (1.678% to 5-15-23, then SOFR + 1.667%) 05/15/2024	970,000	999,146
Citigroup, Inc. (3 month BBSW + 1.550%) 1.579%, 05/04/2021 (D)	AUD 1,487,000	1,151,023
Citigroup, Inc. (Greater of 3 month EURIBOR + 0.500% or 0.000%) 0.000%, 03/21/2023 (D)	EUR 920,000	1,130,369
Credit Agricole SA (6.875% to 9-23-24, then 5 Year U.S. Swap Rate + 4.319%) 09/23/2024 (A)(C)	\$ 205,000	227,421
Credit Agricole SA (7.875% to 1-23-24, then 5 Year U.S. Swap Rate + 4.898%) 01/23/2024 (A)(C)	825,000	936,375
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (A)(C)	855,000	952,256
Credit Suisse Group AG (7.500% to 7-17-23, then 5 Year U.S. Swap Rate + 4.600%) 07/17/2023 (A)(C)	205,000	223,450
DB Insurance Company, Ltd. 3.512%, 05/25/2024	KRW 1,000,000,000	957,432
3.865%, 05/25/2027	1,000,000,000	984,806
Deutsche Bank AG (6.000% to 10-30-25, then 5 Year CMT + 4.524%) 10/30/2025 (C)	\$ 1,800,000	1,800,000
European Financial Stability Facility 0.125%, 10/17/2023	EUR 1,315,000	1,640,314
1.875%, 05/23/2023	380,000	492,637

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
European Investment Bank 1.500%, 05/12/2022	NOK 9,790,000	\$ 1,157,744
European Investment Bank (SONIA + 0.350%) 0.398%, 06/29/2023 (D)	GBP 550,000	755,769
First Horizon Bank 5.750%, 05/01/2030	\$ 1,000,000	1,163,749
GE Capital Funding LLC 4.400%, 05/15/2030 (A)	780,000	919,018
Icahn Enterprises LP 5.250%, 05/15/2027	100,000	107,200
International Bank for Reconstruction & Development		
1.900%, 01/16/2025	CAD 1,390,000	1,151,476
2.800%, 01/13/2021	AUD 1,185,000	914,040
3.375%, 01/25/2022	NZD 1,327,000	984,934
3.500%, 01/22/2021	1,130,000	814,152
4.625%, 10/06/2021	1,310,000	972,657
7.450%, 08/20/2021	IDR 6,855,000,000	498,097
International Finance Corp. 0.375%, 09/10/2025	NZD 1,240,000	878,239
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	\$ 810,000	887,951
KfW 2.125%, 08/15/2023	EUR 1,470,000	1,927,172
MSCI, Inc.		
3.625%, 09/01/2030 (A)	\$ 350,000	365,750
3.875%, 02/15/2031 (A)	765,000	808,988
4.000%, 11/15/2029 (A)	425,000	452,625
4.750%, 08/01/2026 (A)	275,000	286,685
National Bank of Canada 2.150%, 10/07/2022 (A)	690,000	711,090
Nordea Eiendoms-kreditt AS (3 month NIBOR + 0.300%) 0.650%, 06/21/2023 (D)	NOK 7,000,000	819,476
Nordea Eiendoms-kreditt AS (3 month NIBOR + 0.340%) 0.740%, 06/19/2024 (D)	12,000,000	1,406,677
Nordic Investment Bank 1.500%, 01/24/2022	5,000,000	589,775
Popular, Inc. 6.125%, 09/14/2023	\$ 1,625,000	1,755,000
QNB Finance, Ltd. 3.500%, 03/28/2024	330,000	353,899
Societe Generale SA (8.000% to 9-29-25, then 5 Year ICE Swap Rate + 5.873%) 09/29/2025 (A)(C)	660,000	774,675
Swiss Insured Brazil Power Finance Sarl 9.850%, 07/16/2032 (A)	BRL 8,517,505	1,865,285
The Goldman Sachs Group, Inc. 1.375%, 05/15/2024	EUR 983,000	1,239,407
2.000%, 11/01/2028	208,000	287,985
3.375%, 03/27/2025	187,000	260,091
U.S. Bancorp 0.850%, 06/07/2024	3,025,000	3,818,871
Wells Fargo & Company 3.250%, 04/27/2022	AUD 1,120,000	892,643
Wells Fargo & Company (3 month BBSW + 1.320%) 1.376%, 07/27/2021 (D)	935,000	724,508
		<hr/> 56,556,371
Health care – 5.3%		
Allergan Funding SCS 1.250%, 06/01/2024	EUR 520,000	637,774
2.625%, 11/15/2028	300,000	395,348

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Bausch Health Companies, Inc.		
5.000%, 01/30/2028 to 02/15/2029 (A)	\$ 1,805,000	\$ 1,859,633
5.250%, 01/30/2030 to 02/15/2031 (A)	3,010,000	3,152,308
5.500%, 11/01/2025 (A)	395,000	409,335
6.250%, 02/15/2029 (A)	980,000	1,064,525
9.000%, 12/15/2025 (A)	510,000	564,101
Becton Dickinson Euro Finance Sarl		
1.208%, 06/04/2026	EUR 745,000	951,224
Centene Corp.		
3.000%, 10/15/2030	\$ 1,310,000	1,388,469
3.375%, 02/15/2030	960,000	1,010,006
4.625%, 12/15/2029	100,000	111,021
DH Europe Finance II Sarl		
0.450%, 03/18/2028	EUR 1,630,000	2,027,496
HCA, Inc.		
3.500%, 09/01/2030	\$ 3,998,000	4,245,960
4.125%, 06/15/2029	1,375,000	1,594,363
5.375%, 02/01/2025	1,890,000	2,125,362
Rede D'or Finance Sarl		
4.500%, 01/22/2030 (A)	700,000	729,750
Thermo Fisher Scientific, Inc.		
0.500%, 03/01/2028	EUR 650,000	815,293
0.750%, 09/12/2024	282,000	354,573
1.400%, 01/23/2026	468,000	611,566
		24,048,107
Industrials – 4.6%		
Adani Ports & Special Economic Zone, Ltd.		
3.950%, 01/19/2022 (A)	\$ 496,000	507,085
4.200%, 08/04/2027 (A)	370,000	396,292
AECOM		
5.125%, 03/15/2027	835,000	929,213
5.875%, 10/15/2024	1,140,000	1,271,419
Airbus SE		
1.625%, 06/09/2030	EUR 255,000	341,877
American Airlines Group, Inc.		
5.000%, 06/01/2022 (A)	\$ 810,000	728,198
BOC Aviation, Ltd.		
2.750%, 09/18/2022 (A)	990,000	1,010,156
BOC Aviation, Ltd. (3 month LIBOR + 1.050%) 1.264%, 05/02/2021 (A)(D)	285,000	284,459
Builders FirstSource, Inc.		
6.750%, 06/01/2027 (A)	195,000	211,518
Cimpress PLC		
7.000%, 06/15/2026 (A)	975,000	1,024,969
CoStar Group, Inc.		
2.800%, 07/15/2030 (A)	555,000	576,352
Delta Air Lines 2020-1 Class A Pass Through Trust		
2.500%, 06/10/2028	515,603	489,567
Delta Air Lines 2020-1 Class AA Pass Through Trust		
2.000%, 06/10/2028	533,557	532,213
Delta Air Lines, Inc.		
2.900%, 10/28/2024	540,000	532,689
3.400%, 04/19/2021	535,000	538,496
4.500%, 10/20/2025 (A)	320,000	341,983
4.750%, 10/20/2028 (A)	1,225,000	1,336,608
7.000%, 05/01/2025 (A)	1,075,000	1,240,917
7.375%, 01/15/2026	165,000	188,442
HC2 Holdings, Inc.		
11.500%, 12/01/2021 (A)	503,000	500,485
Indian Railway Finance Corp., Ltd.		
3.249%, 02/13/2030 (A)	645,000	685,442

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Johnson Controls International PLC		
0.375%, 09/15/2027	EUR 240,000	\$ 297,024
JSL Europe SA		
7.750%, 07/26/2024 (A)	\$ 360,000	379,354
Owens Corning		
3.950%, 08/15/2029	530,000	610,953
Prime Security Services Borrower LLC		
3.375%, 08/31/2027 (A)	105,000	104,213
The Boeing Company		
5.040%, 05/01/2027	1,035,000	1,209,537
5.150%, 05/01/2030	1,010,000	1,222,272
Uber Technologies, Inc.		
8.000%, 11/01/2026 (A)	1,110,000	1,208,513
United Airlines 2020-1 Class A Pass Through Trust		
5.875%, 10/15/2027	765,000	824,288
United Rentals North America, Inc.		
3.875%, 02/15/2031	135,000	141,622
4.000%, 07/15/2030	660,000	694,650
4.875%, 01/15/2028	530,000	564,450
		20,925,256
Information technology – 1.9%		
Apple, Inc.		
0.875%, 05/24/2025	EUR 865,000	1,105,538
Broadcom, Inc.		
4.150%, 11/15/2030	\$ 990,000	1,144,404
4.750%, 04/15/2029	1,462,000	1,747,551
Camelot Finance SA		
4.500%, 11/01/2026 (A)	385,000	401,844
CDW LLC		
4.250%, 04/01/2028	165,000	174,200
Dell International LLC		
4.900%, 10/01/2026 (A)	160,000	188,889
8.350%, 07/15/2046 (A)	728,000	1,099,939
Fidelity National Information Services, Inc.		
1.000%, 12/03/2028	EUR 425,000	544,630
1.500%, 05/21/2027	820,000	1,079,685
Fiserv, Inc.		
1.125%, 07/01/2027	290,000	374,996
Gartner, Inc.		
3.750%, 10/01/2030 (A)	\$ 25,000	26,250
j2 Global, Inc.		
4.625%, 10/15/2030 (A)	340,000	358,700
SS&C Technologies, Inc.		
5.500%, 09/30/2027 (A)	645,000	688,873
		8,935,499
Materials – 3.0%		
ArcelorMittal SA		
4.550%, 03/11/2026	100,000	112,329
Ardagh Packaging Finance PLC		
4.125%, 08/15/2026 (A)	205,000	214,225
Ball Corp.		
2.875%, 08/15/2030	520,000	518,700
4.000%, 11/15/2023	1,345,000	1,432,425
4.875%, 03/15/2026	1,035,000	1,169,033
5.250%, 07/01/2025	1,375,000	1,569,191
Berry Global, Inc.		
5.625%, 07/15/2027 (A)	590,000	634,434
Braskem Netherlands Finance BV		
4.500%, 01/10/2028 (A)	360,000	378,972
5.875%, 01/31/2050 (A)	325,000	335,972
Crown Americas LLC		
4.250%, 09/30/2026	100,000	110,215
4.500%, 01/15/2023	712,000	751,253

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Crown Cork & Seal Company, Inc. 7.375%, 12/15/2026	\$ 936,000	\$ 1,139,580
CSN Islands XI Corp. 6.750%, 01/28/2028 (A)	855,000	925,538
Ecolab, Inc. 1.000%, 01/15/2024	EUR 330,000	415,589
Freeport-McMoRan, Inc. 4.625%, 08/01/2030	\$ 100,000	109,750
FS Luxembourg Sarl 10.000%, 12/15/2025 (A)	630,000	682,290
Indonesia Asahan Aluminium Persero PT 4.750%, 05/15/2025 (A)	1,090,000	1,202,815
NOVA Chemicals Corp. 5.250%, 06/01/2027 (A)	100,000	106,552
Reynolds Group Issuer, Inc. 4.000%, 10/15/2027 (A)	1,285,000	1,317,125
St. Mary's Cement, Inc. 5.750%, 01/28/2027 (A)	415,000	483,479
Standard Industries, Inc. 3.375%, 01/15/2031 (A)	255,000	256,275
5.000%, 02/15/2027 (A)	90,000	94,050
		13,959,792
Real estate – 1.8%		
American Tower Corp. 0.500%, 01/15/2028	EUR 270,000	331,836
1.950%, 05/22/2026	305,000	405,987
Crown Castle International Corp. 2.250%, 01/15/2031	\$ 215,000	222,885
3.800%, 02/15/2028	1,240,000	1,428,551
Equinix, Inc. 1.000%, 09/15/2025	605,000	606,545
2.150%, 07/15/2030	771,000	783,785
3.200%, 11/18/2029	555,000	611,422
MGM Growth Properties Operating Partnership LP 4.625%, 06/15/2025 (A)	105,000	112,455
SBA Communications Corp. 3.875%, 02/15/2027	2,090,000	2,194,500
4.875%, 09/01/2024	87,000	89,239
VICI Properties LP 4.125%, 08/15/2030 (A)	895,000	944,789
4.625%, 12/01/2029 (A)	385,000	411,950
		8,143,944
Utilities – 3.6%		
Adani Green Energy UP, Ltd. 6.250%, 12/10/2024 (A)	460,000	510,025
DPL, Inc. 4.125%, 07/01/2025 (A)	1,330,000	1,435,828
E.ON SE 0.375%, 09/29/2027	EUR 315,000	395,352
EDP Finance BV 0.375%, 09/16/2026	130,000	161,177
Engie SA 0.375%, 06/21/2027	300,000	374,193
FirstEnergy Corp. 3.900%, 07/15/2027	\$ 890,000	980,678
7.375%, 11/15/2031	1,390,000	1,981,019
Greenko Dutch BV 5.250%, 07/24/2024 (A)	975,000	1,009,125
Greenko Solar Mauritius, Ltd. 5.550%, 01/29/2025 (A)	430,000	445,039
Israel Electric Corp., Ltd. 5.000%, 11/12/2024 (A)	295,000	332,925
6.875%, 06/21/2023 (A)	390,000	442,520

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
NRG Energy, Inc. 3.625%, 02/15/2031 (A)	\$ 1,495,000	\$ 1,538,056
5.250%, 06/15/2029 (A)	905,000	995,500
5.750%, 01/15/2028	10,000	10,925
6.625%, 01/15/2027	1,880,000	1,985,355
Perusahaan Perseroan Persero PT Perusahaan Listrik Negara 4.125%, 05/15/2027 (A)	1,440,000	1,591,200
Vistra Operations Company LLC 3.550%, 07/15/2024 (A)	1,050,000	1,136,902
5.000%, 07/31/2027 (A)	375,000	397,500
5.625%, 02/15/2027 (A)	663,000	705,193
		16,428,512
TOTAL CORPORATE BONDS (Cost \$245,389,076)		
	\$	260,543,317
CONVERTIBLE BONDS – 3.0%		
Communication services – 0.6%		
DISH Network Corp. 3.375%, 08/15/2026	430,000	409,890
Liberty Broadband Corp. 1.250%, 09/30/2050 (A)	810,000	817,704
2.750%, 09/30/2050 (A)	420,000	449,300
Liberty Media Corp. 0.500%, 12/01/2050 (A)	340,000	360,613
Sabre GBLB, Inc. 4.000%, 04/15/2025 (A)	415,000	744,718
		2,782,225
Consumer discretionary – 0.5%		
Burlington Stores, Inc. 2.250%, 04/15/2025 (A)	705,000	976,610
Sony Corp., Zero Coupon 0.000%, 09/30/2022	JPY 62,000,000	1,239,039
		2,215,649
Energy – 0.3%		
BP Capital Markets PLC 1.000%, 04/28/2023	GBP 800,000	1,136,264
Industrials – 1.0%		
Air Canada 4.000%, 07/01/2025 (A)	\$ 90,000	132,750
American Airlines Group, Inc. 6.500%, 07/01/2025	1,395,000	1,748,727
Southwest Airlines Company 1.250%, 05/01/2025	575,000	835,188
Uber Technologies, Inc., Zero Coupon 0.000%, 12/15/2025 (A)	1,965,000	2,010,271
		4,726,936
Information technology – 0.2%		
Avaya Holdings Corp. 2.250%, 06/15/2023	1,055,000	1,098,954
Utilities – 0.4%		
NRG Energy, Inc. 2.750%, 06/01/2048	1,435,000	1,630,591
TOTAL CONVERTIBLE BONDS (Cost \$12,348,147)		
	\$	13,590,619
CAPITAL PREFERRED SECURITIES – 1.3%		
Financials – 1.3%		
First Maryland Capital I (3 month LIBOR + 1.000%) 1.237%, 01/15/2027 (D)	1,046,000	998,620

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CAPITAL PREFERRED SECURITIES (continued)		
Financials (continued)		
First Maryland Capital II (3 month LIBOR + 0.850%) 1.064%, 02/01/2027 (D)	\$ 1,220,000	\$ 1,143,853
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 02/01/2021 (C)(D)	1,631,000	1,602,458
Wachovia Capital Trust III (Greater of 3 month LIBOR + 0.930% or 5.570%) 5.570%, 02/01/2021 (C)(D)	1,942,000	1,966,527
		5,711,458
TOTAL CAPITAL PREFERRED SECURITIES (Cost \$5,467,085)		\$ 5,711,458
COLLATERALIZED MORTGAGE OBLIGATIONS – 1.5%		
Commercial and residential – 1.4%		
Arroyo Mortgage Trust		
Series 2019-1, Class A1, 3.805%, 01/25/2049 (A)(E)	766,262	789,971
Series 2019-2, Class A1, 3.347%, 04/25/2049 (A)(E)	1,105,868	1,139,350
Series 2019-3, Class A1, 2.962%, 10/25/2048 (A)(E)	611,860	630,787
BX Commercial Mortgage Trust		
Series 2019-XL, Class A (1 month LIBOR + 0.920%), 1.079%, 10/15/2036 (A)(D)	1,623,299	1,626,326
Series 2020-BXLP, Class A (1 month LIBOR + 0.800%), 0.959%, 12/15/2036 (A)(D)	689,369	689,583
CSMC Trust		
Series 2019-NQM1, Class A1 2.656%, 10/25/2059 (A)	488,609	501,153
DBGS Mortgage Trust		
Series 2018-BIOD, Class B (1 month LIBOR + 0.888%) 1.047%, 05/15/2035 (A)(D)	863,169	862,900
HarborView Mortgage Loan Trust		
Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (A)	4,766,486	49,407
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	5,340,879	70,841
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (A)	4,919,179	68,687
Morgan Stanley Mortgage Loan Trust		
Series 2004-9, Class 1A 5.441%, 11/25/2034 (E)	106,121	115,548
		6,544,553
U.S. Government Agency – 0.1%		
Federal Home Loan Mortgage Corp.		
Series 2017-DNA3, Class M1 (1 month LIBOR + 0.750%) 0.898%, 03/25/2030 (D)	189,076	189,329
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$6,431,269)		\$ 6,733,882
ASSET BACKED SECURITIES – 2.5%		
AMSR Trust		
Series 2019-SFR1, Class A 2.774%, 01/19/2039 (A)	1,665,000	1,761,410
Bravo Mortgage Asset Trust		
Series 2006-1A, Class A2 (1 month LIBOR + 0.240%) 0.388%, 07/25/2036 (A)(D)	172,443	171,904

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
DB Master Finance LLC		
Series 2017-1A, Class A2I 3.629%, 11/20/2047 (A)	\$ 505,700	\$ 519,136
Series 2019-1A, Class A2I 3.787%, 05/20/2049 (A)	888,750	910,738
Series 2019-1A, Class A2II 4.021%, 05/20/2049 (A)	478,938	504,455
Discover Card Execution Note Trust		
Series 2019-A1, Class A1 3.040%, 07/15/2024	295,000	303,722
Domino's Pizza Master Issuer LLC		
Series 2015-1A, Class A2II 4.474%, 10/25/2045 (A)	866,538	915,748
Series 2017-1A, Class A2I (3 month LIBOR + 1.250%) 1.465%, 07/25/2047 (A)(D)	1,168,850	1,169,995
FirstKey Homes Trust		
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (A)	385,000	386,642
Home Partners of America Trust		
Series 2018-1, Class D (1 month LIBOR + 1.450%) 1.603%, 07/17/2037 (A)(D)	590,000	585,292
Home Partners of America Trust		
Series 2019-1, Class B 3.157%, 09/17/2039 (A)	404,057	420,122
Jack In The Box Funding LLC		
Series 2019-1A, Class A2II 4.476%, 08/25/2049 (A)	590,538	621,245
Mill City Mortgage Loan Trust		
Series 2018-3, Class A1 3.479%, 08/25/2058 (A)(E)	1,282,932	1,353,343
MVW Owner Trust		
Series 2018-1A, Class A 3.450%, 01/21/2036 (A)	307,618	319,698
Taco Bell Funding LLC		
Series 2016-1A, Class A23 4.970%, 05/25/2046 (A)	1,505,400	1,623,574
TOTAL ASSET BACKED SECURITIES (Cost \$11,086,437)		\$ 11,567,024
COMMON STOCKS – 2.5%		
Communication services – 0.0%		
Vertis Holdings, Inc. (F)(G)	8,371	0
Consumer discretionary – 0.1%		
Lennar Corp., A Shares	7,508	572,335
Energy – 0.1%		
Canadian Natural Resources, Ltd.	9,233	221,885
Suncor Energy, Inc.	12,958	217,341
TC Energy Corp.	5,086	206,772
		645,998
Financials – 1.0%		
Citigroup, Inc.	11,565	713,098
Citizens Financial Group, Inc.	19,975	714,306
Huntington Bancshares, Inc.	55,150	696,545
Regions Financial Corp.	44,775	721,773
The Goldman Sachs Group, Inc.	2,820	743,662
U.S. Bancorp	8,802	410,085
Wells Fargo & Company	23,550	710,739
		4,710,208
Industrials – 0.5%		
HC2 Holdings, Inc. (B)(G)	88,710	289,195
The Boeing Company	8,665	1,854,816
		2,144,011

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate – 0.4%		
Americold Realty Trust	13,451	\$ 502,126
RioCan Real Estate Investment Trust	96,737	1,272,955
		1,775,081
Utilities – 0.4%		
Dominion Energy, Inc.	18,000	1,805,940
TOTAL COMMON STOCKS (Cost \$12,562,942)		\$ 11,653,573
PREFERRED SECURITIES – 4.4%		
Communication services – 0.1%		
2020 Cash Mandatory Exchangeable Trust, 5.250% (A)	475	569,368
Financials – 0.6%		
U.S. Bancorp (Greater of 3 month LIBOR + 1.020% or 3.500%), 3.500% (D)	1,304	1,259,651
Valley National Bancorp (5.500% to 9-30-22, then 3 month LIBOR + 3.578%)	22,825	598,015
Wells Fargo & Company (5.850% to 9-15-23, then 3 month LIBOR + 3.090%)	27,605	741,194
		2,598,860
Health care – 0.3%		
Becton, Dickinson and Company, 6.000% (B)	10,850	598,161
Danaher Corp., 5.000% (B)	680	884,748
		1,482,909
Industrials – 0.8%		
Fortive Corp., 5.000%	2,450	2,460,293
Stanley Black & Decker, Inc., 5.250%	10,400	1,163,136
		3,623,429
Information technology – 0.3%		
Broadcom, Inc., 8.000%	840	1,194,875
Utilities – 2.3%		
American Electric Power Company, Inc., 6.125%	32,350	1,610,707
CenterPoint Energy, Inc., 7.000%	22,000	897,600
DTE Energy Company, 6.250%	30,150	1,451,421
NextEra Energy, Inc., 4.872%	33,550	1,986,160
NextEra Energy, Inc., 5.279%	37,350	1,898,874
NextEra Energy, Inc., 6.219%	17,400	893,838
The Southern Company, 6.750%	33,300	1,728,270
		10,466,870
TOTAL PREFERRED SECURITIES (Cost \$18,935,827)		\$ 19,936,311
PURCHASED OPTIONS – 0.0%		
Calls – 0.0%		
Over the Counter Option on the GBP vs. NZD (Expiration Date: 12-3-21; Strike Price: GBP 2.02; Counterparty: Citibank, N.A.) (G)(H)	6,055,000	8,951
TOTAL PURCHASED OPTIONS (Cost \$91,449)		\$ 8,951
SHORT-TERM INVESTMENTS – 1.0%		
Short-term funds – 0.6%		
John Hancock Collateral Trust, 0.1386% (I)(J)	291,763	2,919,409

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 0.4%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$1,793,000 on 1-4-21, collateralized by \$1,831,000 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$1,828,871)	\$ 1,793,000	\$ 1,793,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$4,712,623)		\$ 4,712,409
Total Investments (Strategic Income Opportunities Trust) (Cost \$427,487,434) – 99.2%		\$ 453,800,799
Other assets and liabilities, net – 0.8%		3,550,470
TOTAL NET ASSETS – 100.0%		\$ 457,351,269

Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CNY	Chinese Yuan Renminbi
COP	Colombian Peso
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

(A)	BBSW	Bank Bill Swap Rate
	CMT	Constant Maturity Treasury
	EURIBOR	Euro Interbank Offered Rate
	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
	NIBOR	Norwegian Interbank Offered Rate
	SOFR	Secured Overnight Financing Rate
	SONIA	Sterling Overnight Interbank Average 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 \$180,824,508 or 39.5% of the fund's net assets as of 12-31-20.
(B)		All or a portion of this security is on loan as of 12-31-20.
(C)		Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(D)		Variable rate obligation. The coupon 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)		Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(G)		Non-income producing security.
(H)		For this type of option, notional amounts are equivalent to number of contracts.

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

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

Strategic Income Opportunities Trust (continued)

(J) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Euro-BTP Italian Government Bond Futures	3	Long	Mar 2021	\$556,306	\$557,109	\$803
10-Year U.S. Treasury Note Futures	132	Short	Mar 2021	(18,204,752)	(18,226,299)	(21,547)
German Euro BUND Futures	3	Short	Mar 2021	(653,018)	(651,042)	1,976
U.S. Treasury Long Bond Futures	184	Short	Mar 2021	(32,025,819)	(31,866,500)	159,319
						\$140,551

[^] 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 2,882,500	NZD 3,109,872	ANZ	1/27/2021	—	\$(15,028)
AUD 5,470,000	NZD 5,962,299	HUS	1/27/2021	—	(72,282)
AUD 3,634,939	USD 2,567,455	ANZ	1/27/2021	\$235,623	—
AUD 4,921,297	USD 3,484,155	GSI	1/27/2021	310,896	—
AUD 890,353	USD 632,001	JPM	1/27/2021	54,593	—
BRL 9,789,253	USD 1,764,210	SSB	1/27/2021	120,099	—
CAD 5,767,500	JPY 456,079,710	JPM	1/27/2021	113,214	—
CAD 5,767,500	JPY 457,232,450	MSCS	1/27/2021	102,047	—
CAD 3,795,223	NZD 4,320,000	CIBC	1/27/2021	—	(126,816)
CAD 1,268,311	NZD 1,438,750	CITI	1/27/2021	—	(38,829)
CAD 7,743,285	NZD 8,682,719	JPM	1/27/2021	—	(164,290)
CAD 2,501,359	NZD 2,872,500	NAB	1/27/2021	—	(101,767)
CAD 1,269,720	NZD 1,438,750	SSB	1/27/2021	—	(37,723)
CAD 11,539,714	USD 8,736,250	CIBC	1/27/2021	330,340	—
CAD 3,883,358	USD 2,933,750	CITI	1/27/2021	117,349	—
CAD 3,844,679	USD 2,963,466	GSI	1/27/2021	57,244	—
CAD 6,832,517	USD 5,183,365	JPM	1/27/2021	184,847	—
CAD 3,792,926	USD 2,878,750	RBC	1/27/2021	101,298	—
CAD 20,275,929	USD 15,483,510	SSB	1/27/2021	447,001	—
EUR 8,075,213	USD 9,701,664	CITI	1/27/2021	168,770	—
EUR 8,387,701	USD 9,922,325	GSI	1/27/2021	330,066	—
EUR 7,270,012	USD 8,568,485	HUS	1/27/2021	317,742	—
EUR 8,381,952	USD 9,882,359	JPM	1/27/2021	363,005	—
EUR 12,047,703	USD 14,227,617	MSCS	1/27/2021	498,441	—
EUR 12,308,531	USD 14,542,640	SSB	1/27/2021	502,231	—
EUR 2,080,065	USD 2,448,982	UBS	1/27/2021	93,508	—
GBP 1,440,000	CAD 2,453,038	HUS	1/27/2021	42,240	—
GBP 1,440,000	CAD 2,450,376	MSCS	1/27/2021	44,332	—
GBP 1,468,750	NZD 2,860,264	CITI	1/27/2021	—	(49,363)
GBP 2,891,600	NZD 5,628,900	JPM	1/27/2021	—	(95,571)
GBP 7,374,952	USD 9,655,950	CITI	1/27/2021	431,129	—
GBP 5,800,000	USD 7,574,357	GSI	1/27/2021	358,583	—
GBP 5,373,905	USD 6,956,326	HUS	1/27/2021	393,824	—
GBP 3,200,000	USD 4,202,626	JPM	1/27/2021	174,168	—
GBP 4,966,190	USD 6,552,647	SSB	1/27/2021	239,851	—
GBP 6,435,672	USD 8,538,611	UBS	1/27/2021	263,769	—
JPY 459,482,460	CAD 5,767,500	MSCS	1/27/2021	—	(80,251)
JPY 114,277,929	CAD 1,435,936	RBC	1/27/2021	—	(21,137)
JPY 342,686,646	CAD 4,307,807	SSB	1/27/2021	—	(64,838)
JPY 626,302,600	USD 6,070,000	BOA	1/27/2021	—	(2,753)
JPY 614,293,319	USD 5,868,333	CITI	1/27/2021	82,575	—
JPY 153,826,020	USD 1,467,083	HUS	1/27/2021	23,092	—
JPY 30,414,176	USD 290,000	JPM	1/27/2021	4,634	—
JPY 151,187,046	USD 1,443,750	SCB	1/27/2021	20,860	—
JPY 152,024,868	USD 1,443,750	SSB	1/27/2021	28,977	—
JPY 10,420,300	USD 99,783	UBS	1/27/2021	1,163	—

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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	32,702,128	USD	1,510,036	UBS	1/21/2021	\$130,291	—
MXN	15,981,631	USD	733,480	GSI	1/27/2021	67,627	—
MXN	30,017,874	USD	1,462,500	SSB	1/27/2021	42,197	—
NOK	8,521,716	USD	912,000	JPM	1/27/2021	81,864	—
NOK	14,037,983	USD	1,466,250	MSCS	1/27/2021	170,961	—
NOK	14,190,933	USD	1,520,000	SSB	1/27/2021	135,049	—
NZD	3,120,117	AUD	2,878,947	ANZ	1/27/2021	25,138	—
NZD	1,435,000	CAD	1,240,215	ANZ	1/27/2021	58,206	—
NZD	4,312,500	CAD	3,764,368	CITI	1/27/2021	145,661	—
NZD	2,872,500	CAD	2,482,370	SCB	1/27/2021	116,687	—
NZD	2,834,780	GBP	1,445,800	CIBC	1/27/2021	62,415	—
NZD	2,825,954	GBP	1,445,800	JPM	1/27/2021	56,064	—
NZD	2,976,271	USD	1,954,588	ANZ	1/27/2021	187,135	—
NZD	1,052,189	USD	694,911	CIBC	1/27/2021	62,244	—
NZD	2,723,735	USD	1,854,268	CITI	1/27/2021	105,730	—
NZD	15,801,167	USD	10,629,079	GSI	1/27/2021	741,429	—
NZD	1,443,333	USD	1,012,965	UBS	1/27/2021	25,657	—
SGD	2,870,831	USD	2,092,065	CITI	1/27/2021	80,222	—
SGD	5,806,210	USD	4,267,134	GSI	1/27/2021	126,281	—
SGD	8,125,909	USD	5,951,045	HUS	1/27/2021	197,627	—
SGD	2,511,477	USD	1,874,784	JPM	1/27/2021	25,588	—
SGD	3,772,009	USD	2,735,816	MSCS	1/27/2021	118,369	—
SGD	1,635,087	USD	1,214,154	RBC	1/27/2021	23,076	—
SGD	2,866,953	USD	2,092,065	UBS	1/27/2021	77,287	—
USD	10,696,426	AUD	14,831,548	ANZ	1/27/2021	—	\$(740,903)
USD	1,035,015	AUD	1,443,421	CITI	1/27/2021	—	(78,077)
USD	3,191,978	AUD	4,438,404	MSCS	1/27/2021	—	(230,692)
USD	1,354,688	AUD	1,840,246	UBS	1/27/2021	—	(64,415)
USD	1,838,875	BRL	9,789,253	SSB	1/27/2021	—	(45,433)
USD	4,320,000	CAD	5,713,559	CIBC	1/27/2021	—	(169,062)
USD	7,224,375	CAD	9,436,999	CITI	1/27/2021	—	(190,142)
USD	1,456,042	CAD	1,863,777	GSI	1/27/2021	—	(8,302)
USD	1,496,591	CAD	1,934,366	HUS	1/27/2021	—	(23,213)
USD	1,496,591	CAD	1,932,088	NAB	1/27/2021	—	(21,423)
USD	5,834,792	CAD	7,644,436	RBC	1/27/2021	—	(171,334)
USD	6,746,953	CAD	8,818,795	SSB	1/27/2021	—	(181,849)
USD	4,466,591	CAD	5,838,666	TD	1/27/2021	—	(120,766)
USD	2,912,083	CAD	3,818,880	UBS	1/27/2021	—	(88,357)
USD	80,653	EUR	68,089	BMO	1/27/2021	—	(2,573)
USD	244,526	EUR	205,800	CIBC	1/27/2021	—	(7,026)
USD	15,025,456	EUR	12,717,785	CITI	1/27/2021	—	(519,652)
USD	24,063,711	EUR	20,243,115	GSI	1/27/2021	—	(679,703)
USD	4,918,085	EUR	4,173,870	HUS	1/27/2021	—	(183,688)
USD	463,433	EUR	392,142	JPM	1/27/2021	—	(15,887)
USD	22,157,096	EUR	18,587,334	MSCS	1/27/2021	—	(562,435)
USD	1,789,157	EUR	1,455,250	SCB	1/27/2021	10,387	—
USD	12,758,401	EUR	10,701,964	SSB	1/27/2021	—	(322,744)
USD	4,900,392	EUR	4,147,504	UBS	1/27/2021	—	(169,154)
USD	6,842,646	GBP	5,116,127	CITI	1/27/2021	—	(154,929)
USD	6,534,078	GBP	4,989,394	HUS	1/27/2021	—	(290,158)
USD	1,524,871	GBP	1,155,000	JPM	1/27/2021	—	(54,878)
USD	3,952,504	GBP	2,994,000	MSCS	1/27/2021	—	(142,535)
USD	3,735,984	GBP	2,890,000	RBC	1/27/2021	—	(216,809)
USD	1,943,467	GBP	1,472,500	SCB	1/27/2021	—	(70,543)
USD	20,491,345	GBP	15,563,888	SSB	1/27/2021	—	(796,136)
USD	1,173,000	JPY	122,222,143	ANZ	1/27/2021	—	(11,015)
USD	3,223,333	JPY	335,710,696	CITI	1/27/2021	—	(28,832)
USD	1,517,500	JPY	156,914,963	JPM	1/27/2021	—	(2,599)
USD	4,478,750	JPY	462,573,569	MSCS	1/27/2021	—	(2,388)
USD	1,759,500	JPY	183,474,942	SCB	1/27/2021	—	(17,896)
USD	4,272,656	JPY	447,904,307	SSB	1/27/2021	—	(66,375)
USD	1,517,500	JPY	157,439,760	TD	1/27/2021	—	(7,683)
USD	1,493,201	MXN	32,702,128	GSI	1/21/2021	—	(147,126)
USD	1,462,500	MXN	29,589,752	MSCS	1/27/2021	—	(20,736)
USD	1,508,976	MXN	32,702,128	UBS	1/27/2021	—	(130,274)
USD	1,216,000	NOK	11,529,522	HUS	1/27/2021	—	(128,656)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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	2,682,250	NOK	25,159,114	MSCS	1/27/2021	—	\$(251,987)
USD	5,382,974	NZD	7,965,152	ANZ	1/27/2021	—	(348,743)
USD	655,717	NZD	987,615	HUS	1/27/2021	—	(54,970)
USD	703,162	NZD	1,035,667	JPM	1/27/2021	—	(42,103)
USD	673,972	NZD	1,010,907	RBC	1/27/2021	—	(53,476)
USD	1,989,811	NZD	2,886,667	SCB	1/27/2021	—	(87,432)
USD	997,287	NZD	1,443,333	UBS	1/27/2021	—	(41,335)
USD	1,431,870	SGD	1,937,750	GSI	1/27/2021	—	(34,377)
USD	4,947,870	SGD	6,673,537	HUS	1/27/2021	—	(101,828)
USD	1,930,913	SGD	2,553,101	JPM	1/27/2021	—	(955)
USD	5,266,318	SGD	7,082,584	MSCS	1/27/2021	—	(92,896)
USD	13,479,198	SGD	18,412,267	UBS	1/27/2021	—	(452,905)
						\$9,430,703	\$(9,320,053)

WRITTEN OPTIONS

Foreign currency options

Description	Counterparty (OTC)	Currency	Exercise price	Expiration date	Notional amount*	Premium	Value
Calls							
Euro vs. U.S. Dollar	CITI	EUR	1.20	Mar 2021	9,705,000	\$140,722	\$(264,474)
Pound Sterling vs. U.S. Dollar	CITI	GBP	1.35	Jan 2021	3,080,000	39,347	(61,827)
Pound Sterling vs. U.S. Dollar	CITI	GBP	1.35	Jan 2021	1,410,000	18,013	(28,304)
						\$198,082	\$(354,605)
Puts							
Euro vs. U.S. Dollar	CITI	EUR	1.19	Mar 2021	8,955,000	72,536	(33,060)
						\$ 72,536	\$ (33,060)
						\$270,618	\$(387,665)

* For this type of option, notional amounts are equivalent to number of contracts.

Derivatives Currency Abbreviations

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

Derivatives Abbreviations

ANZ	Australia and New Zealand Banking Group Limited
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.

John Hancock Variable Insurance Trust

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

Total Bond Market Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 65.1%		
U.S. Government – 36.3%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 8,000,000	\$ 7,241,250
2.000%, 02/15/2050	3,000,000	3,251,367
2.250%, 08/15/2049	2,000,000	2,284,063
2.750%, 08/15/2047	3,000,000	3,753,750
2.875%, 05/15/2049	1,500,000	1,932,773
3.000%, 02/15/2047 to 02/15/2049	28,635,000	37,453,156
4.250%, 05/15/2039 to 11/15/2040	4,610,000	6,845,883
4.375%, 05/15/2041	1,830,000	2,801,258
4.625%, 02/15/2040	5,000,000	7,784,375
4.750%, 02/15/2041	2,000,000	3,190,469
7.875%, 02/15/2021	3,400,000	3,429,954
8.125%, 08/15/2021	1,400,000	1,469,125
U.S. Treasury Notes		
0.125%, 10/31/2022	12,000,000	12,001,406
0.250%, 11/15/2023 to 10/31/2025	28,000,000	27,965,938
0.375%, 07/31/2027	4,000,000	3,945,938
0.500%, 10/31/2027	12,000,000	11,900,625
0.625%, 03/31/2027 to 05/15/2030	16,000,000	15,804,063
1.250%, 08/31/2024	5,000,000	5,186,133
1.375%, 08/31/2026	5,000,000	5,257,813
1.500%, 01/31/2027	5,000,000	5,297,852
1.625%, 08/15/2029	8,000,000	8,553,125
1.750%, 07/31/2021 to 12/31/2024	13,000,000	13,418,047
2.000%, 11/15/2021 to 02/15/2022	29,400,000	29,902,127
2.125%, 05/31/2026	3,000,000	3,274,219
2.250%, 02/15/2021 to 11/15/2027	24,595,000	26,868,420
2.375%, 05/15/2029	5,000,000	5,647,656
2.625%, 02/28/2023	3,000,000	3,160,664
2.750%, 04/30/2023	3,500,000	3,711,367
2.875%, 11/30/2023 to 05/15/2028	9,300,000	10,571,371
3.000%, 10/31/2025	2,000,000	2,254,063
3.125%, 05/15/2021	13,100,000	13,243,281
		289,401,531
U.S. Government Agency – 28.8%		
Federal Home Loan Bank		
5.500%, 07/15/2036	1,690,000	2,608,172
Federal Home Loan Mortgage Corp.		
2.000%, 07/01/2035	1,293,321	1,352,816
2.375%, 01/13/2022	1,500,000	1,534,619
2.500%, 04/01/2031 to 08/01/2050	6,346,251	6,676,513
2.532%, (12 month LIBOR + 1.863%), 08/01/2037 (A)	426,178	447,096
2.750%, 06/19/2023	2,000,000	2,126,207
3.000%, 07/01/2032 to 08/01/2046	6,105,779	6,514,270
3.500%, 12/01/2025 to 06/01/2048	5,646,975	6,078,214
4.000%, 02/01/2024 to 09/01/2047	2,494,580	2,706,093
4.100%, (12 month LIBOR + 2.100%), 02/01/2037 (A)	58,841	62,160
4.500%, 05/01/2024 to 11/01/2048	4,116,543	4,503,378
5.000%, 06/01/2023 to 09/01/2039	270,520	311,308
5.500%, 02/01/2023 to 01/01/2039	452,841	527,739
6.000%, 10/01/2036 to 10/01/2038	209,227	250,210
6.250%, 07/15/2032	450,000	694,842
6.500%, 01/01/2021 to 08/01/2038	42,451	50,966
6.750%, 09/15/2029	1,200,000	1,800,820
7.000%, 04/01/2029 to 10/01/2038	31,609	37,790
7.500%, 09/01/2030 to 03/01/2032	5,529	6,521
8.000%, 02/01/2030	787	914
Federal National Mortgage Association		
1.961%, (6 month LIBOR + 1.413%), 07/01/2034 (A)	102,096	104,189
2.000%, TBA (B)	5,000,000	5,197,633
2.000%, 02/01/2035 to 11/01/2050	14,349,500	14,958,501

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
2.125%, 04/24/2026	\$ 2,000,000	\$ 2,178,475
2.425%, (12 month LIBOR + 1.925%), 10/01/2037 (A)	24,576	25,826
2.500%, TBA (B)	4,000,000	4,173,124
2.500%, 05/01/2028 to 11/01/2050	18,091,480	19,073,675
2.625%, 09/06/2024 (C)	1,000,000	1,087,390
2.841%, (12 month LIBOR + 1.579%), 09/01/2037 (A)	66,678	69,310
2.878%, (12 month LIBOR + 1.353%), 01/01/2035 (A)	203,142	209,038
3.000%, TBA (B)	16,400,000	17,182,190
3.000%, 01/01/2027 to 12/01/2049	17,124,802	18,224,847
3.325%, (1 Year CMT + 2.185%), 05/01/2036 (A)	49,520	51,711
3.500%, TBA (B)	8,000,000	8,457,502
3.500%, 12/01/2025 to 10/01/2049	17,589,748	18,922,914
3.575%, (12 month LIBOR + 1.774%), 04/01/2037 (A)	123,763	130,573
4.000%, 03/01/2024 to 09/01/2049	16,786,446	18,099,607
4.500%, 04/01/2021 to 09/01/2048	3,198,659	3,531,329
5.000%, 08/01/2023 to 09/01/2048	2,527,963	2,832,397
5.500%, 08/01/2021 to 11/01/2038	554,275	642,132
6.000%, 01/01/2021 to 08/01/2038	376,695	442,284
6.500%, 03/01/2022 to 12/01/2037	121,205	144,534
7.000%, 02/01/2031 to 10/01/2038	44,950	54,201
7.125%, 01/15/2030	209,000	318,987
7.250%, 05/15/2030	1,450,000	2,245,290
7.500%, 09/01/2030 to 08/01/2031	16,458	19,333
8.000%, 08/01/2030 to 09/01/2031	4,094	4,799
8.500%, 09/01/2030	505	591
Government National		
Mortgage Association		
2.500%, TBA (B)	8,000,000	8,469,576
3.000%, TBA (B)	5,000,000	5,192,035
3.000%, 08/15/2043 to 08/20/2050	10,726,722	11,291,987
3.500%, TBA (B)	2,800,000	2,926,921
3.500%, 04/15/2042 to 04/20/2050	11,097,973	11,933,305
4.000%, 11/15/2026 to 08/20/2048	6,422,474	6,970,848
4.500%, 06/15/2023 to 04/20/2050	3,756,669	4,078,269
5.000%, 10/15/2023 to 07/20/2040	806,423	922,468
5.500%, 08/15/2023 to 09/20/2039	315,759	365,598
6.000%, 07/15/2029 to 10/15/2038	209,318	245,393
6.500%, 05/15/2028 to 12/15/2038	162,360	191,840
7.000%, 08/15/2029 to 05/15/2032	27,280	31,362
7.500%, 09/15/2030 to 01/15/2031	6,422	7,530
8.000%, 04/15/2031	6,861	8,080
Tennessee Valley Authority		
3.875%, 02/15/2021	700,000	702,991
		230,011,233
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$488,417,216)		\$ 519,412,764
FOREIGN GOVERNMENT OBLIGATIONS – 1.2%		
Brazil – 0.2%		
Federative Republic of Brazil		
4.250%, 01/07/2025	1,612,000	1,768,364
Canada – 0.2%		
Hydro-Quebec		
8.400%, 01/15/2022	250,000	270,012
Province of British Columbia		
6.500%, 01/15/2026 (C)	490,000	626,368

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Canada (continued)		
Province of Quebec		
7.125%, 02/09/2024	\$ 150,000	\$ 180,361
7.500%, 07/15/2023	410,000	482,600
		1,559,341
Colombia – 0.1%		
Republic of Colombia		
4.375%, 07/12/2021	550,000	560,203
Israel – 0.1%		
State of Israel		
5.500%, 09/18/2023	455,000	517,995
Italy – 0.0%		
Republic of Italy		
6.875%, 09/27/2023	300,000	348,351
Japan – 0.1%		
Japan Bank for International Cooperation		
2.500%, 05/23/2024	800,000	855,609
Mexico – 0.2%		
Government of Mexico		
6.050%, 01/11/2040	930,000	1,245,372
Panama – 0.1%		
Republic of Panama		
6.700%, 01/26/2036	370,000	549,450
Peru – 0.0%		
Republic of Peru		
6.550%, 03/14/2037	250,000	379,375
Philippines – 0.1%		
Republic of the Philippines		
4.000%, 01/15/2021	1,000,000	1,000,315
Turkey – 0.1%		
Republic of Turkey		
6.000%, 01/14/2041	400,000	394,040
6.250%, 09/26/2022	400,000	418,415
		812,455
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$9,073,404)		\$ 9,596,830
CORPORATE BONDS – 28.8%		
Communication services – 2.7%		
Alphabet, Inc.		
3.625%, 05/19/2021	320,000	324,141
America Movil SAB de CV		
3.125%, 07/16/2022	500,000	518,610
AT&T, Inc.		
2.550%, 12/01/2033 (D)	665,000	683,806
3.800%, 12/01/2057 (D)	609,000	632,509
4.750%, 05/15/2046	900,000	1,114,537
4.850%, 07/15/2045	500,000	614,981
5.150%, 03/15/2042	50,000	63,648
6.375%, 03/01/2041	360,000	527,826
7.625%, 04/15/2031	285,000	415,287
Baidu, Inc.		
4.125%, 06/30/2025	250,000	280,067
British Telecommunications PLC		
9.625%, 12/15/2030	190,000	315,035
Charter Communications Operating LLC		
2.800%, 04/01/2031	600,000	633,822
5.050%, 03/30/2029	400,000	486,127
5.375%, 05/01/2047	500,000	623,130
Comcast Corp.		
2.350%, 01/15/2027	455,000	489,542
3.375%, 02/15/2025	600,000	663,310
3.999%, 11/01/2049	500,000	629,432
6.500%, 11/15/2035	255,000	393,855

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Deutsche Telekom International Finance		
BV		
8.750%, 06/15/2030	\$ 146,000	\$ 230,861
Discovery Communications LLC		
4.125%, 05/15/2029	900,000	1,050,069
5.300%, 05/15/2049	400,000	526,919
Fox Corp.		
3.500%, 04/08/2030	600,000	681,187
Grupo Televisa SAB		
6.625%, 01/15/2040	220,000	307,547
TCI Communications, Inc.		
7.125%, 02/15/2028	110,000	152,340
Telefonica Emisiones SA		
7.045%, 06/20/2036	230,000	342,712
Telefonica Europe BV		
8.250%, 09/15/2030	350,000	534,521
Time Warner Entertainment Company LP		
8.375%, 07/15/2033	525,000	811,646
T-Mobile USA, Inc.		
3.875%, 04/15/2030 (D)	600,000	694,806
4.500%, 04/15/2050 (D)	700,000	863,370
TWDC Enterprises 18 Corp.		
3.150%, 09/17/2025	500,000	555,252
4.125%, 06/01/2044	500,000	639,899
Verizon Communications, Inc.		
4.016%, 12/03/2029	500,000	593,032
4.272%, 01/15/2036	458,000	567,410
4.522%, 09/15/2048	1,260,000	1,640,374
ViacomCBS, Inc.		
4.000%, 01/15/2026	600,000	686,538
Vodafone Group PLC		
4.375%, 05/30/2028	400,000	478,858
5.250%, 05/30/2048	300,000	416,706
		21,183,712
Consumer discretionary – 1.9%		
Amazon.com, Inc.		
4.050%, 08/22/2047	600,000	790,920
AutoZone, Inc.		
3.250%, 04/15/2025	1,000,000	1,095,478
Brinker International, Inc.		
3.875%, 05/15/2023	250,000	250,313
Ford Motor Credit Company LLC		
3.096%, 05/04/2023	280,000	282,887
3.336%, 03/18/2021	1,000,000	1,002,500
General Motors Financial Company, Inc.		
4.250%, 05/15/2023	280,000	301,758
5.250%, 03/01/2026	650,000	766,289
Honeywell International, Inc.		
1.950%, 06/01/2030	500,000	529,061
Hyatt Hotels Corp.		
3.375%, 07/15/2023 (C)	250,000	262,978
Lowe's Companies, Inc.		
3.375%, 09/15/2025	460,000	513,322
McDonald's Corp.		
3.300%, 07/01/2025	1,000,000	1,113,345
3.625%, 05/20/2021	250,000	253,129
NIKE, Inc.		
2.400%, 03/27/2025	1,000,000	1,077,487
Starbucks Corp.		
3.550%, 08/15/2029	300,000	348,940
Target Corp.		
3.900%, 11/15/2047	500,000	655,296
The Home Depot, Inc.		
2.625%, 06/01/2022	400,000	412,477
2.700%, 04/15/2030	700,000	780,858

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
The Home Depot, Inc. (continued)		
3.350%, 09/15/2025	\$ 752,000	\$ 846,661
4.250%, 04/01/2046	390,000	516,547
5.875%, 12/16/2036	280,000	424,044
The TJX Companies, Inc.		
3.875%, 04/15/2030	600,000	719,580
4.500%, 04/15/2050 (C)	600,000	844,424
Toyota Motor Credit Corp.		
1.150%, 08/13/2027	500,000	501,808
3.400%, 09/15/2021	320,000	326,855
Whirlpool Corp.		
5.150%, 03/01/2043	300,000	384,725
		15,001,682
Consumer staples – 1.7%		
Altria Group, Inc.		
4.500%, 05/02/2043	500,000	572,051
Anheuser-Busch Companies LLC		
3.650%, 02/01/2026	800,000	903,797
4.900%, 02/01/2046	500,000	650,723
Anheuser-Busch InBev Worldwide, Inc.		
4.750%, 01/23/2029	500,000	616,581
BAT Capital Corp.		
3.215%, 09/06/2026	500,000	550,552
Conagra Brands, Inc.		
9.750%, 03/01/2021	175,000	177,233
Costco Wholesale Corp.		
1.600%, 04/20/2030	500,000	512,062
General Mills, Inc.		
2.875%, 04/15/2030	600,000	664,921
Kimberly-Clark Corp.		
3.200%, 07/30/2046	300,000	354,621
Kraft Heinz Foods Company		
3.000%, 06/01/2026	495,000	516,796
3.950%, 07/15/2025	600,000	660,636
6.875%, 01/26/2039	40,000	55,364
Mondelez International, Inc.		
4.625%, 05/07/2048	300,000	390,803
PepsiCo, Inc.		
2.850%, 02/24/2026	495,000	547,938
4.000%, 03/05/2042	270,000	348,882
5.500%, 01/15/2040	280,000	419,875
Philip Morris International, Inc.		
3.600%, 11/15/2023	250,000	272,219
4.125%, 05/17/2021	320,000	324,336
SC Johnson & Son, Inc.		
4.000%, 05/15/2043 (D)	250,000	299,837
Sysco Corp.		
6.600%, 04/01/2050	1,000,000	1,537,793
The Estee Lauder Companies, Inc.		
2.600%, 04/15/2030	600,000	658,644
The Kroger Company		
3.500%, 02/01/2026	500,000	561,162
Tyson Foods, Inc.		
4.350%, 03/01/2029	400,000	485,000
Walmart, Inc.		
3.250%, 07/08/2029	600,000	697,948
4.050%, 06/29/2048	500,000	677,333
		13,457,107
Energy – 2.4%		
Anadarko Petroleum Corp.		
6.450%, 09/15/2036	280,000	283,360
Baker Hughes LLC		
3.337%, 12/15/2027	500,000	559,920
4.486%, 05/01/2030	500,000	600,525

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Boardwalk Pipelines LP		
4.950%, 12/15/2024	\$ 400,000	\$ 446,359
BP Capital Markets America, Inc.		
3.796%, 09/21/2025	800,000	906,637
BP Capital Markets PLC		
2.750%, 05/10/2023	250,000	263,029
Canadian Natural Resources, Ltd.		
6.250%, 03/15/2038	290,000	388,989
Chevron Corp.		
2.954%, 05/16/2026	800,000	887,373
ConocoPhillips Company		
4.950%, 03/15/2026	300,000	360,129
Devon Energy Corp.		
5.000%, 06/15/2045	885,000	1,044,648
7.875%, 09/30/2031	170,000	236,324
Enbridge, Inc.		
3.700%, 07/15/2027	400,000	455,717
4.500%, 06/10/2044	400,000	466,918
Energy Transfer Operating LP		
5.500%, 06/01/2027	600,000	706,826
6.125%, 12/15/2045	350,000	414,637
6.500%, 02/01/2042	50,000	60,929
Enterprise Products Operating LLC		
3.200%, 02/15/2052	700,000	710,376
4.850%, 08/15/2042	280,000	347,725
6.875%, 03/01/2033	130,000	181,911
EOG Resources, Inc.		
4.100%, 02/01/2021	300,000	300,769
Exxon Mobil Corp.		
2.397%, 03/06/2022	750,000	766,783
Kinder Morgan Energy Partners LP		
4.300%, 05/01/2024	700,000	773,138
6.375%, 03/01/2041	60,000	78,702
6.500%, 09/01/2039	180,000	233,306
Kinder Morgan, Inc.		
5.550%, 06/01/2045	375,000	481,243
Marathon Oil Corp.		
3.850%, 06/01/2025	500,000	535,870
Noble Holding International, Ltd.		
6.050%, 03/01/2041 (E)	50,000	928
ONEOK Partners LP		
6.650%, 10/01/2036	268,000	338,255
Ovintiv, Inc.		
6.500%, 08/15/2034	270,000	312,476
Petroleos Mexicanos		
4.875%, 01/18/2024	500,000	525,180
6.625%, 06/15/2035	230,000	227,700
Phillips 66 Partners LP		
3.750%, 03/01/2028	200,000	216,891
Shell International Finance BV		
4.375%, 05/11/2045	1,000,000	1,315,544
6.375%, 12/15/2038	90,000	139,823
Southern Natural Gas Company LLC		
4.400%, 06/15/2021	250,000	251,862
Suncor Energy, Inc.		
5.950%, 05/15/2035	235,000	304,090
Sunoco Logistics Partners Operations LP		
3.450%, 01/15/2023	170,000	177,337
The Williams Companies, Inc.		
5.100%, 09/15/2045	400,000	493,663
7.875%, 09/01/2021	190,000	199,194
Tosco Corp.		
8.125%, 02/15/2030	383,000	558,360
Total Capital SA		
4.125%, 01/28/2021	40,000	40,099

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Total Capital SA (continued)		
4.250%, 12/15/2021	\$ 60,000	\$ 62,271
TransCanada PipeLines, Ltd.		
5.850%, 03/15/2036	405,000	546,223
Valaris PLC		
4.700%, 03/15/2021 (E)	360,000	12,842
Valero Energy Corp.		
2.850%, 04/15/2025	600,000	638,903
7.500%, 04/15/2032	270,000	377,026
		19,230,810
Financials – 7.2%		
American Express Company		
2.650%, 12/02/2022	345,000	360,111
American International Group, Inc.		
4.125%, 02/15/2024	550,000	608,891
6.250%, 05/01/2036	430,000	621,740
Ares Capital Corp.		
3.875%, 01/15/2026	1,000,000	1,083,347
Bank of America Corp.		
3.300%, 01/11/2023	800,000	848,124
4.450%, 03/03/2026	700,000	815,768
7.750%, 05/14/2038	480,000	817,519
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	386,000	406,459
Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	1,700,000	1,871,186
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,312,000	1,483,418
Bank of America Corp. (3.970% to 3-5-28, then 3 month LIBOR + 1.070%) 03/05/2029	500,000	582,493
Bank of America Corp. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%) 01/20/2048	500,000	660,713
Barclays Bank PLC		
1.700%, 05/12/2022	500,000	508,829
Barclays PLC		
4.375%, 01/12/2026	500,000	576,171
Berkshire Hathaway Finance Corp.		
4.250%, 01/15/2021	60,000	60,067
Berkshire Hathaway, Inc.		
3.125%, 03/15/2026	500,000	558,528
Capital One Bank USA NA		
3.375%, 02/15/2023	360,000	380,591
Capital One Financial Corp.		
3.200%, 02/05/2025	2,000,000	2,181,892
3.300%, 10/30/2024	1,500,000	1,647,521
Chubb INA Holdings, Inc.		
3.350%, 05/03/2026	300,000	338,006
Citigroup, Inc.		
2.350%, 08/02/2021	500,000	505,821
4.450%, 09/29/2027	500,000	589,502
5.500%, 09/13/2025	400,000	480,711
Citigroup, Inc. (2.666% to 1-29-30, then SOFR + 1.146%) 01/29/2031	1,000,000	1,072,221
Citigroup, Inc. (4.281% to 4-24-47, then 3 month LIBOR + 1.839%) 04/24/2048	500,000	653,071
Cooperatieve Rabobank UA		
4.500%, 01/11/2021	500,000	500,348
Credit Suisse AG		
3.000%, 10/29/2021	750,000	766,447

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Credit Suisse Group AG		
3.750%, 03/26/2025	\$ 250,000	\$ 277,500
4.550%, 04/17/2026	800,000	940,983
Credit Suisse Group Funding		
Guernsey, Ltd.		
3.450%, 04/16/2021	575,000	580,268
Discover Financial Services		
5.200%, 04/27/2022	120,000	127,143
European Investment Bank		
3.250%, 01/29/2024	600,000	654,359
Five Corners Funding Trust II		
2.850%, 05/15/2030 (D)	800,000	884,493
GE Capital International Funding		
Company		
4.418%, 11/15/2035	822,000	980,187
HSBC Holdings PLC		
6.500%, 09/15/2037	660,000	964,735
HSBC Holdings PLC (2.848% to 6-4-30, then SOFR + 2.387%) 06/04/2031	1,000,000	1,073,792
Inter-American Development Bank		
1.750%, 09/14/2022	600,000	616,015
1.875%, 03/15/2021	1,100,000	1,103,488
7.000%, 06/15/2025	325,000	415,712
Intercontinental Exchange, Inc.		
3.100%, 09/15/2027	400,000	446,399
JPMorgan Chase & Co.		
3.300%, 04/01/2026	700,000	783,278
3.375%, 05/01/2023	500,000	534,361
3.875%, 02/01/2024	1,300,000	1,430,365
4.350%, 08/15/2021	710,000	728,387
6.400%, 05/15/2038	125,000	193,387
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.945%) 01/23/2029	500,000	570,198
JPMorgan Chase & Co. (4.452% to 12-5-28, then 3 month LIBOR + 1.330%) 12/05/2029	600,000	731,730
KeyCorp		
5.100%, 03/24/2021	250,000	252,620
KfW		
2.125%, 01/17/2023	600,000	623,627
2.625%, 02/28/2024	800,000	859,505
Liberty Mutual Group, Inc.		
3.950%, 05/15/2060 (D)	500,000	595,557
Lincoln National Corp.		
7.000%, 06/15/2040	150,000	229,233
MetLife, Inc.		
4.600%, 05/13/2046	500,000	689,137
Morgan Stanley		
3.700%, 10/23/2024	950,000	1,057,614
4.100%, 05/22/2023	750,000	813,920
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	1,161,256
Morgan Stanley (3.772% to 1-24-28, then 3 month LIBOR + 1.140%) 01/24/2029	550,000	637,341
Raymond James Financial, Inc.		
4.950%, 07/15/2046	600,000	820,975
Reinsurance Group of America, Inc.		
5.000%, 06/01/2021	50,000	50,926
State Street Corp.		
3.100%, 05/15/2023	250,000	265,816
Stifel Financial Corp.		
4.250%, 07/18/2024	500,000	561,666

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Sumitomo Mitsui Financial Group, Inc.		
3.784%, 03/09/2026	\$ 550,000	\$ 625,840
The Allstate Corp.		
3.280%, 12/15/2026	500,000	570,656
The Charles Schwab Corp.		
3.200%, 01/25/2028	300,000	339,592
The Goldman Sachs Group, Inc.		
2.600%, 02/07/2030	700,000	752,892
2.625%, 04/25/2021	600,000	603,119
3.500%, 01/23/2025	750,000	827,601
3.625%, 01/22/2023	500,000	533,538
3.750%, 02/25/2026	500,000	567,850
The Hartford Financial Services Group, Inc.		
5.950%, 10/15/2036	170,000	237,930
The PNC Financial Services Group, Inc.		
3.450%, 04/23/2029	1,000,000	1,152,144
The Toronto-Dominion Bank		
1.800%, 07/13/2021	500,000	504,157
The Travelers Companies, Inc.		
4.050%, 03/07/2048	300,000	397,287
Travelers Property Casualty Corp.		
7.750%, 04/15/2026	50,000	66,598
Truist Bank		
2.850%, 04/01/2021	500,000	502,081
Truist Financial Corp.		
1.125%, 08/03/2027	700,000	704,283
2.850%, 10/26/2024	700,000	757,368
U.S. Bancorp		
3.000%, 03/15/2022	600,000	618,328
Wells Fargo & Company		
3.450%, 02/13/2023	750,000	794,778
5.375%, 02/07/2035	1,500,000	2,050,684
Wells Fargo & Company (2.572% to 2-11-30, then 3 month LIBOR + 1.000%) 02/11/2031	1,000,000	1,057,751
Westpac Banking Corp.		
2.000%, 08/19/2021	600,000	606,711
		<u>57,906,656</u>
Health care – 3.8%		
Abbott Laboratories		
2.950%, 03/15/2025	300,000	329,107
3.750%, 11/30/2026	283,000	331,436
AbbVie, Inc.		
2.900%, 11/06/2022	500,000	523,021
3.200%, 05/14/2026 to 11/21/2029	1,716,000	1,913,587
4.400%, 11/06/2042	260,000	326,022
Aetna, Inc.		
3.500%, 11/15/2024	200,000	219,477
Agilent Technologies, Inc.		
3.875%, 07/15/2023	250,000	269,000
Allergan Funding SCS		
4.750%, 03/15/2045	321,000	373,750
Amgen, Inc.		
4.400%, 05/01/2045	260,000	329,867
4.663%, 06/15/2051	659,000	897,317
Anthem, Inc.		
4.101%, 03/01/2028	350,000	413,595
4.650%, 08/15/2044	150,000	197,001
AstraZeneca PLC		
0.700%, 04/08/2026	500,000	497,240
Baxalta, Inc.		
4.000%, 06/23/2025	500,000	564,650
Bayer US Finance II LLC		
2.850%, 04/15/2025 (D)	300,000	318,110

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Biogen, Inc.		
5.200%, 09/15/2045	\$ 500,000	\$ 677,936
Boston Scientific Corp.		
2.650%, 06/01/2030	500,000	536,274
Bristol-Myers Squibb Company		
3.250%, 08/01/2042	500,000	579,996
4.550%, 02/20/2048	300,000	418,400
Cardinal Health, Inc.		
3.750%, 09/15/2025	500,000	564,353
Celgene Corp.		
3.875%, 08/15/2025	600,000	672,919
Cigna Corp.		
4.375%, 10/15/2028	500,000	604,080
CVS Health Corp.		
3.875%, 07/20/2025	650,000	736,556
4.300%, 03/25/2028	1,000,000	1,190,293
5.050%, 03/25/2048	500,000	676,587
CVS Pass-Through Trust		
8.353%, 07/10/2031 (D)	68,880	91,064
Eli Lilly & Company		
2.250%, 05/15/2050	500,000	490,441
Evernorth Health, Inc.		
6.125%, 11/15/2041 (C)	330,000	441,176
Gilead Sciences, Inc.		
3.650%, 03/01/2026	600,000	681,657
4.500%, 04/01/2021	330,000	330,000
GlaxoSmithKline Capital, Inc.		
3.625%, 05/15/2025	500,000	561,764
6.375%, 05/15/2038	210,000	331,180
HCA, Inc.		
4.500%, 02/15/2027	500,000	581,406
5.500%, 06/15/2047	400,000	533,481
Humana, Inc.		
3.850%, 10/01/2024	350,000	387,296
Johnson & Johnson		
2.100%, 09/01/2040	500,000	503,032
5.850%, 07/15/2038	285,000	444,096
Laboratory Corp. of America Holdings		
2.950%, 12/01/2029	500,000	552,379
McKesson Corp.		
4.750%, 05/30/2029	500,000	614,902
Medtronic, Inc.		
4.375%, 03/15/2035	500,000	672,797
Merck & Company, Inc.		
2.750%, 02/10/2025	850,000	923,217
Novartis Capital Corp.		
3.000%, 11/20/2025	500,000	552,947
Pfizer, Inc.		
2.750%, 06/03/2026	713,000	787,635
4.400%, 05/15/2044	264,000	352,619
Quest Diagnostics, Inc.		
4.200%, 06/30/2029	500,000	594,911
4.700%, 03/30/2045	500,000	637,992
Regeneron Pharmaceuticals, Inc.		
2.800%, 09/15/2050	1,000,000	968,015
Stryker Corp.		
4.625%, 03/15/2046	350,000	469,598
Thermo Fisher Scientific, Inc.		
4.150%, 02/01/2024	350,000	385,885
UnitedHealth Group, Inc.		
4.375%, 03/15/2042	50,000	65,850
4.450%, 12/15/2048	300,000	413,014
5.800%, 03/15/2036	300,000	448,353
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	500,000	571,934

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Viatis, Inc.		
2.700%, 06/22/2030 (D)	\$ 500,000	\$ 530,274
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	551,165
3.550%, 04/01/2025	500,000	552,197
Zoetis, Inc.		
2.000%, 05/15/2030	500,000	517,390
		30,700,241
Industrials – 2.8%		
3M Company		
3.000%, 08/07/2025	330,000	366,184
AerCap Ireland Capital DAC		
4.450%, 04/03/2026	400,000	449,040
Air Lease Corp.		
3.125%, 12/01/2030	600,000	623,482
3.625%, 12/01/2027	400,000	431,734
American Airlines 2016-2 Class AA Pass Through Trust		
3.200%, 06/15/2028	242,850	236,781
Burlington Northern Santa Fe LLC		
4.400%, 03/15/2042	50,000	66,193
Canadian Pacific Railway Company		
4.450%, 03/15/2023	300,000	322,679
Carrier Global Corp.		
3.577%, 04/05/2050	500,000	554,387
Caterpillar, Inc.		
3.400%, 05/15/2024 (C)	500,000	545,027
CSX Corp.		
3.350%, 11/01/2025	420,000	469,780
3.800%, 04/15/2050	1,000,000	1,234,390
Deere & Company		
3.100%, 04/15/2030	500,000	572,199
Delta Air Lines 2019-1 Class AA Pass Through Trust		
3.204%, 04/25/2024	200,000	205,485
Emerson Electric Company		
2.625%, 12/01/2021	250,000	254,795
Equifax, Inc.		
3.100%, 05/15/2030	1,200,000	1,334,106
FedEx Corp.		
3.875%, 08/01/2042	420,000	489,193
4.400%, 01/15/2047	350,000	441,537
General Electric Company		
4.500%, 03/11/2044	500,000	610,231
6.750%, 03/15/2032	66,000	92,482
6.875%, 01/10/2039	168,000	247,263
John Deere Capital Corp.		
2.050%, 01/09/2025	500,000	530,101
Johnson Controls, Inc.		
5.700%, 03/01/2041	150,000	168,421
Kansas City Southern		
2.875%, 11/15/2029	500,000	541,724
Lockheed Martin Corp.		
3.800%, 03/01/2045	400,000	500,425
Norfolk Southern Corp.		
4.837%, 10/01/2041	240,000	326,934
Northrop Grumman Corp.		
3.250%, 01/15/2028	300,000	339,101
3.500%, 03/15/2021	150,000	150,928
Precision Castparts Corp.		
3.250%, 06/15/2025	500,000	552,376
Raytheon Technologies Corp.		
4.625%, 11/16/2048	500,000	677,658
6.125%, 07/15/2038	225,000	333,025

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Roper Technologies, Inc.		
4.200%, 09/15/2028	\$ 500,000	\$ 596,099
Snap-on, Inc.		
6.125%, 09/01/2021	310,000	321,308
Southwest Airlines Company		
5.250%, 05/04/2025	1,200,000	1,389,534
The Boeing Company		
2.600%, 10/30/2025	438,000	457,923
5.805%, 05/01/2050	600,000	827,551
8.750%, 09/15/2031	90,000	134,730
Thomson Reuters Corp.		
4.500%, 05/23/2043	250,000	271,594
Trane Technologies Global Holding Company, Ltd.		
4.300%, 02/21/2048	600,000	748,914
Union Pacific Corp.		
3.250%, 08/15/2025	500,000	553,742
3.799%, 10/01/2051	313,000	382,320
4.050%, 11/15/2045	500,000	614,219
4.300%, 03/01/2049	300,000	390,582
United Airlines 2016-2 Class AA Pass Through Trust		
2.875%, 10/07/2028	252,424	253,594
United Parcel Service, Inc.		
3.400%, 03/15/2029	400,000	465,783
Verisk Analytics, Inc.		
4.125%, 03/15/2029	600,000	720,701
Waste Management, Inc.		
4.100%, 03/01/2045	500,000	626,171
		22,422,426
Information technology – 2.3%		
Apple, Inc.		
2.400%, 05/03/2023	800,000	839,120
2.450%, 08/04/2026	1,060,000	1,156,723
3.250%, 02/23/2026	500,000	560,983
Applied Materials, Inc.		
3.900%, 10/01/2025	470,000	538,717
5.100%, 10/01/2035	470,000	652,074
Automatic Data Processing, Inc.		
3.375%, 09/15/2025	752,000	846,491
Broadcom, Inc.		
4.300%, 11/15/2032	700,000	829,325
4.700%, 04/15/2025	600,000	687,453
Cisco Systems, Inc.		
5.900%, 02/15/2039	80,000	123,214
Eaton Corp.		
3.103%, 09/15/2027	500,000	559,933
Fiserv, Inc.		
2.250%, 06/01/2027	600,000	639,189
IBM Corp.		
3.450%, 02/19/2026	1,115,000	1,265,206
4.000%, 06/20/2042	210,000	259,831
5.600%, 11/30/2039	21,000	30,966
Intel Corp.		
2.700%, 12/15/2022	690,000	722,608
Microsoft Corp.		
2.525%, 06/01/2050	1,538,000	1,618,623
3.125%, 11/03/2025	438,000	489,512
NXP BV		
3.400%, 05/01/2030 (D)	520,000	589,378
Oracle Corp.		
2.400%, 09/15/2023	435,000	457,372
2.650%, 07/15/2026	310,000	340,589
2.950%, 05/15/2025	550,000	603,858
4.125%, 05/15/2045	500,000	616,232

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
PayPal Holdings, Inc. 2.300%, 06/01/2030	\$ 600,000	\$ 642,139
2.850%, 10/01/2029	1,000,000	1,110,242
QUALCOMM, Inc. 1.650%, 05/20/2032 (D)	566,000	566,265
Visa, Inc. 2.050%, 04/15/2030	600,000	641,373
3.150%, 12/14/2025	463,000	519,304
4.300%, 12/14/2045	463,000	633,165
Xerox Corp. 6.750%, 12/15/2039	60,000	64,308
		18,604,193
Materials – 1.0%		
Air Products and Chemicals, Inc. 1.850%, 05/15/2027	500,000	529,438
DuPont de Nemours, Inc. 2.169%, 05/01/2023	1,000,000	1,013,189
Eastman Chemical Company 4.650%, 10/15/2044	500,000	632,017
Freeport-McMoRan, Inc. 3.875%, 03/15/2023	500,000	521,650
Huntsman International LLC 4.500%, 05/01/2029	500,000	575,820
International Paper Company 5.000%, 09/15/2035	500,000	658,659
Linde, Inc. 2.450%, 02/15/2022	240,000	244,454
Newmont Corp. 4.875%, 03/15/2042	270,000	366,860
Potash Corp. of Saskatchewan, Inc. 5.625%, 12/01/2040	150,000	197,869
Rio Tinto Alcan, Inc. 6.125%, 12/15/2033	100,000	152,314
Rio Tinto Finance USA PLC 4.750%, 03/22/2042	270,000	375,441
Rio Tinto Finance USA, Ltd. 3.750%, 06/15/2025	485,000	547,328
5.200%, 11/02/2040	250,000	365,622
Teck Resources, Ltd. 6.250%, 07/15/2041	270,000	344,771
The Dow Chemical Company 4.375%, 11/15/2042	590,000	721,567
9.400%, 05/15/2039	130,000	233,215
Vale Overseas, Ltd. 6.875%, 11/10/2039	350,000	521,066
		8,001,280
Real estate – 0.7%		
American Campus Communities Operating Partnership LP 3.625%, 11/15/2027	200,000	220,339
American Tower Corp. 5.000%, 02/15/2024	500,000	566,023
Boston Properties LP 4.125%, 05/15/2021	300,000	301,240
Crown Castle International Corp. 3.700%, 06/15/2026	400,000	450,654
CubeSmart LP 4.000%, 11/15/2025	200,000	225,290
Digital Realty Trust LP 4.450%, 07/15/2028	200,000	240,358
Duke Realty LP 3.250%, 06/30/2026	200,000	223,978
Healthpeak Properties, Inc. 3.875%, 08/15/2024	400,000	442,451

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
Mid-America Apartments LP 3.950%, 03/15/2029	\$ 800,000	\$ 937,352
Service Properties Trust 4.500%, 03/15/2025	200,000	197,000
Simon Property Group LP 3.375%, 06/15/2027	500,000	555,148
3.500%, 09/01/2025	441,500	490,194
SL Green Operating Partnership LP 3.250%, 10/15/2022	500,000	516,263
		5,366,290
Utilities – 2.3%		
AEP Transmission Company LLC 3.750%, 12/01/2047	400,000	486,646
Ameren Corp. 3.500%, 01/15/2031	1,000,000	1,149,355
American Water Capital Corp. 4.300%, 09/01/2045	350,000	457,516
Arizona Public Service Company 3.350%, 05/15/2050	500,000	581,462
Berkshire Hathaway Energy Company 4.500%, 02/01/2045	500,000	632,077
6.125%, 04/01/2036	436,000	644,626
Consolidated Edison Company of New York, Inc. 3.950%, 04/01/2050	700,000	851,561
Dominion Energy, Inc. 3.375%, 04/01/2030	600,000	683,100
3.900%, 10/01/2025	242,000	274,899
Duke Energy Carolinas LLC 6.000%, 01/15/2038	200,000	299,569
Duke Energy Corp. 3.750%, 04/15/2024	500,000	550,407
4.800%, 12/15/2045	500,000	658,898
Entergy Texas, Inc. 1.750%, 03/15/2031	700,000	701,206
Essential Utilities, Inc. 4.276%, 05/01/2049	500,000	637,837
Eversource Energy 4.250%, 04/01/2029	500,000	598,728
Exelon Corp. 3.400%, 04/15/2026	542,000	610,345
Exelon Generation Company LLC 6.250%, 10/01/2039	160,000	192,760
Florida Power & Light Company 5.650%, 02/01/2037	290,000	412,499
Georgia Power Company 5.950%, 02/01/2039 (C)	335,000	458,783
Indiana Michigan Power Company 6.050%, 03/15/2037	187,000	266,405
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	700,000	733,487
NiSource, Inc. 3.950%, 03/30/2048	400,000	490,520
Oncor Electric Delivery Company LLC 7.500%, 09/01/2038	188,000	312,949
Pacific Gas & Electric Company 2.500%, 02/01/2031	600,000	600,995
3.450%, 07/01/2025	30,000	32,503
3.750%, 07/01/2028	30,000	32,745
4.550%, 07/01/2030	227,000	258,443
4.950%, 07/01/2050	227,000	270,062
PacifiCorp 6.000%, 01/15/2039	335,000	497,617
PPL Capital Funding, Inc. 3.400%, 06/01/2023	250,000	265,483

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
PPL WEM, Ltd. 5.375%, 05/01/2021 (D)	\$ 60,000	\$ 60,216
Public Service Company of Colorado 3.600%, 09/15/2042	500,000	599,964
Public Service Electric & Gas Company 3.000%, 05/15/2025	250,000	273,403
San Diego Gas & Electric Company 6.125%, 09/15/2037	202,000	277,415
Southern California Edison Company 2.250%, 06/01/2030	700,000	728,387
5.350%, 07/15/2035	130,000	175,921
The Southern Company 3.250%, 07/01/2026	572,000	641,505
Virginia Electric & Power Company 3.450%, 09/01/2022	50,000	52,075
8.875%, 11/15/2038	190,000	351,899
Xcel Energy, Inc. 3.300%, 06/01/2025	400,000	439,593
		18,243,861
TOTAL CORPORATE BONDS (Cost \$205,019,027)		\$ 230,118,258
MUNICIPAL BONDS – 0.7%		
Bay Area Toll Authority (California) 6.907%, 10/01/2050	50,000	92,287
Illinois State Toll Highway Authority 6.184%, 01/01/2034	150,000	216,768
Maryland State Transportation Authority 5.888%, 07/01/2043	60,000	88,230
Metropolitan Washington Airports Authority 7.462%, 10/01/2046	40,000	70,925
New Jersey Turnpike Authority 7.102%, 01/01/2041	90,000	146,961
New York State Dormitory Authority 5.628%, 03/15/2039	340,000	456,929
New York State Urban Development Corp. 5.770%, 03/15/2039	300,000	385,818
Ohio Air Quality Development Authority 2.100%, 10/01/2028	700,000	733,817
State of California, GO 7.300%, 10/01/2039 (C)	400,000	660,252
7.500%, 04/01/2034	80,000	133,333
State of Illinois, GO 5.100%, 06/01/2033	115,000	123,764
7.350%, 07/01/2035	280,000	333,833
State of Texas, GO 5.517%, 04/01/2039	260,000	386,591
State of Utah, GO 3.539%, 07/01/2025	390,000	424,289
4.554%, 07/01/2024	205,000	221,607
State of Washington, GO 5.481%, 08/01/2039	260,000	375,432
Texas Transportation Commission State Highway Fund 5.178%, 04/01/2030	310,000	399,757
University of California 5.770%, 05/15/2043	320,000	462,547
TOTAL MUNICIPAL BONDS (Cost \$4,417,083)		\$ 5,713,140

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS – 2.4%		
Commercial and residential – 2.1%		
Banc of America Commercial Mortgage Trust Series 2015-UBS7, Class A4 3.705%, 09/15/2048	\$ 145,000	\$ 160,785
BANK		
Series 2017-BNK6, Class A4 3.254%, 07/15/2060	2,000,000	2,226,228
CD Mortgage Trust		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	1,090,000	1,241,339
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2012-CR3, Class A3, 2.822%, 10/15/2045	488,940	501,264
Series 2012-CR5, Class A4, 2.771%, 12/10/2045	179,000	185,040
Series 2013-CR8, Class AM, 3.813%, 06/10/2046 (D)(F)	630,000	670,083
Series 2014-CR14, Class A3, 3.955%, 02/10/2047	1,000,000	1,088,050
Series 2014-CR21, Class A3, 3.528%, 12/10/2047	639,916	691,902
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	1,118,523
GS Mortgage Securities Trust		
Series 2016-GS4, Class A3, 3.178%, 11/10/2049	3,000,000	3,251,326
Series 2017-GS5, Class A3, 3.409%, 03/10/2050	3,000,000	3,368,801
JPMBB Commercial Mortgage Securities Trust		
Series 2013-C14, Class A4 4.133%, 08/15/2046 (F)	400,000	431,154
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2013-C16, Class A4 4.166%, 12/15/2046	500,000	543,014
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2013-C7, Class A4 2.918%, 02/15/2046	240,000	249,337
Wells Fargo Commercial Mortgage Trust		
Series 2015-C29, Class AS 4.013%, 06/15/2048 (F)	500,000	553,169
		16,280,015
U.S. Government Agency – 0.3%		
Federal Home Loan Mortgage Corp.		
Series K013, Class A2, 3.974%, 01/25/2021 (F)	205,526	205,474
Series K041, Class A2, 3.171%, 10/25/2024	700,000	767,536
Series K047, Class A2, 3.329%, 05/25/2025 (F)	700,000	779,652
Series K050, Class A2, 3.334%, 08/25/2025 (F)	700,000	782,700
		2,535,362
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$17,883,320)		\$ 18,815,377
ASSET BACKED SECURITIES – 0.0%		
Westlake Automobile Receivables Trust		
Series 2019-2A, Class A2A 2.570%, 02/15/2023 (D)	205,982	206,892
TOTAL ASSET BACKED SECURITIES (Cost \$205,358)		\$ 206,892

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 7.8%		
Short-term funds – 7.8%		
John Hancock Collateral Trust, 0.1386% (G)(H)	269,742	\$ 2,699,062
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (G)	60,042,508	60,042,508
TOTAL SHORT-TERM INVESTMENTS (Cost \$62,741,800)		\$ 62,741,570
Total Investments (Total Bond Market Trust) (Cost \$787,757,208) – 106.0%		\$ 846,604,831
Other assets and liabilities, net – (6.0%)		(48,223,225)
TOTAL NET ASSETS – 100.0%		\$ 798,381,606

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
GO	General Obligation
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(B)	Security purchased or sold on a when-issued or delayed delivery basis.
(C)	All or a portion of this security is on loan as of 12-31-20.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(E)	Non-income producing - Issuer is in default.
(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 12-31-20.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Ultra Short Term Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 1.1%		
U.S. Government Agency – 1.1%		
Federal Home Loan Mortgage Corp. 1.765%, (6 month LIBOR + 1.515%), 12/01/2035 (A)	\$ 46,045	\$ 47,211
2.440%, (6 month LIBOR + 1.565%), 12/01/2036 (A)	23,125	23,770
2.447%, (12 month LIBOR + 1.447%), 06/01/2036 (A)	31,006	32,481
2.551%, (12 month LIBOR + 1.639%), 09/01/2043 (A)	440,199	454,864
2.610%, (1 Year CMT + 2.295%), 08/01/2035 (A)	109,715	115,602
2.787%, (1 Year CMT + 2.165%), 11/01/2036 (A)	105,517	111,006
2.795%, (1 Year CMT + 2.096%), 12/01/2035 (A)	123,564	129,305
2.836%, (12 month LIBOR + 1.637%), 02/01/2036 (A)	65,108	68,324

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan Mortgage Corp. (continued) 2.857%, (1 Year CMT + 2.231%), 05/01/2034 (A)	\$ 111,575	\$ 117,255
3.005%, (12 month LIBOR + 1.613%), 05/01/2037 (A)	90,481	95,096
Federal National Mortgage Association 1.789%, (6 month LIBOR + 1.488%), 10/01/2035 (A)	181,613	186,114
1.895%, (6 month LIBOR + 1.520%), 02/01/2035 (A)	104,949	108,919
2.096%, (12 month LIBOR + 1.444%), 04/01/2035 (A)	395,532	408,479
2.228%, (12 month LIBOR + 1.295%), 10/01/2038 (A)	56,990	59,103
2.524%, (1 Year CMT + 2.183%), 01/01/2036 (A)	67,042	70,249
2.615%, (12 month LIBOR + 1.552%), 07/01/2035 (A)	213,863	221,579
2.787%, (1 Year CMT + 2.197%), 05/01/2036 (A)	256,443	269,101
2.930%, (1 Year CMT + 2.282%), 07/01/2035 (A)	127,890	134,366
2.933%, (1 Year CMT + 2.177%), 01/01/2036 (A)	128,405	134,600
3.013%, (1 Year CMT + 2.333%), 05/01/2034 (A)	57,476	60,090
3.200%, (1 Year CMT + 2.196%), 02/01/2035 (A)	166,811	175,669
Government National Mortgage Association 2.250%, (1 Year CMT + 1.500%), 08/20/2032 to 08/20/2035 (A)	354,263	366,426
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$3,402,658)		\$ 3,389,609
CORPORATE BONDS – 54.0%		
Communication services – 2.8%		
AT&T, Inc. 3.000%, 06/30/2022	3,200,000	3,311,714
Charter Communications Operating LLC 4.464%, 07/23/2022	2,000,000	2,108,428
ViacomCBS, Inc. 3.375%, 03/01/2022	3,000,000	3,076,152
		8,496,294
Consumer discretionary – 9.1%		
American Honda Finance Corp. 3.375%, 12/10/2021	2,000,000	2,057,379
BMW US Capital LLC 3.100%, 04/12/2021 (B)	3,000,000	3,021,472
Daimler Finance North America LLC 2.850%, 01/06/2022 (B)	2,000,000	2,047,704
eBay, Inc. 2.750%, 01/30/2023	3,000,000	3,141,740
Ford Motor Credit Company LLC 3.336%, 03/18/2021	3,000,000	3,007,500
General Motors Financial Company, Inc. 3.200%, 07/06/2021	3,000,000	3,032,255
Nissan Motor Acceptance Corp. 2.550%, 03/08/2021 (B)	3,000,000	3,008,175
The TJX Companies, Inc. 2.750%, 06/15/2021	3,000,000	3,020,778

John Hancock Variable Insurance Trust

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

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Toyota Motor Credit Corp. 1.150%, 05/26/2022	\$ 2,000,000	\$ 2,026,171
Volkswagen Group of America Finance LLC 3.125%, 05/12/2023 (B)	3,000,000	3,168,376
		27,531,550
Consumer staples – 1.9%		
Keurig Dr. Pepper, Inc. 3.551%, 05/25/2021	3,000,000	3,037,405
The Kroger Company 2.800%, 08/01/2022	2,791,000	2,891,220
		5,928,625
Energy – 2.0%		
Halliburton Company 3.250%, 11/15/2021	3,000,000	3,051,400
Sunoco Logistics Partners Operations LP 4.400%, 04/01/2021	3,000,000	3,018,748
		6,070,148
Financials – 24.1%		
American Express Credit Corp. 2.250%, 05/05/2021	3,000,000	3,015,302
Bank of America Corp. 2.503%, 10/21/2022	1,500,000	1,526,832
Bank of Montreal 2.900%, 03/26/2022	2,000,000	2,064,952
BNP Paribas SA 2.950%, 05/23/2022 (B)	2,000,000	2,071,110
BPCE SA 2.650%, 02/03/2021	2,000,000	2,003,674
Citibank NA (3 month LIBOR + 0.350%) 0.564%, 02/12/2021 (A)	610,000	610,037
Cooperatieve Rabobank UA 3.125%, 04/26/2021	3,000,000	3,026,466
Credit Suisse Group Funding Guernsey, Ltd. 3.800%, 09/15/2022	3,000,000	3,168,462
Danske Bank A/S 2.000%, 09/08/2021 (B)	2,000,000	2,022,451
Fifth Third Bank NA 2.250%, 06/14/2021	3,000,000	3,020,763
ING Groep NV 3.150%, 03/29/2022	2,000,000	2,068,324
KeyBank NA 3.300%, 02/01/2022	2,000,000	2,063,940
Lloyds Banking Group PLC 3.000%, 01/11/2022	2,000,000	2,051,318
MassMutual Global Funding II 2.000%, 04/15/2021 (B)	2,000,000	2,009,767
Metropolitan Life Global Funding I 3.375%, 01/11/2022 (B)	3,000,000	3,089,178
Mitsubishi UFJ Financial Group, Inc. (3 month LIBOR + 1.880%) 2.105%, 03/01/2021 (A)	2,246,000	2,252,209
Morgan Stanley 2.500%, 04/21/2021	3,000,000	3,018,596
National Rural Utilities Cooperative Finance Corp. 2.900%, 03/15/2021	2,000,000	2,010,047
NatWest Markets PLC 3.625%, 09/29/2022 (B)	5,000,000	5,271,126
Nordea Bank ABP 2.250%, 05/27/2021 (B)	2,000,000	2,015,419
Santander Holdings USA, Inc. 3.244%, 10/05/2026	3,000,000	3,271,584

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The Bank of New York Mellon Corp. 3.450%, 08/11/2023	\$ 3,000,000	\$ 3,242,672
The Bank of Nova Scotia 1.950%, 02/01/2023	3,000,000	3,098,048
The Goldman Sachs Group, Inc. 5.750%, 01/24/2022	2,000,000	2,113,947
The PNC Financial Services Group, Inc. 3.300%, 03/08/2022	2,000,000	2,065,886
Truist Bank 2.625%, 01/15/2022	3,000,000	3,067,425
U.S. Bancorp 3.000%, 03/15/2022	2,000,000	2,061,092
UBS Group AG 3.000%, 04/15/2021 (B)	3,000,000	3,023,157
Wells Fargo & Company 2.500%, 03/04/2021	3,000,000	3,010,145
		73,333,929
Health care – 3.7%		
Abbott Laboratories 2.550%, 03/15/2022	3,000,000	3,080,670
AbbVie, Inc. 2.300%, 05/14/2021	2,000,000	2,011,065
Bayer US Finance LLC 3.000%, 10/08/2021 (B)	2,000,000	2,034,058
Bristol-Myers Squibb Company 2.250%, 08/15/2021	2,000,000	2,021,738
CVS Health Corp. (3 month LIBOR + 0.720%) 0.950%, 03/09/2021 (A)	2,000,000	2,002,316
		11,149,847
Industrials – 4.2%		
Air Lease Corp. 3.875%, 04/01/2021	2,000,000	2,010,041
Caterpillar Financial Services Corp. 2.650%, 05/17/2021	2,000,000	2,017,500
CNH Industrial Capital LLC 4.375%, 04/05/2022	2,500,000	2,611,677
Honeywell International, Inc. 4.250%, 03/01/2021	2,000,000	2,012,403
IHS Markit, Ltd. 5.000%, 11/01/2022 (B)	2,000,000	2,138,452
The Boeing Company 2.300%, 08/01/2021 (C)	2,000,000	2,018,318
		12,808,391
Information technology – 3.0%		
Broadcom, Inc. 3.125%, 04/15/2021	3,000,000	3,017,170
Hewlett Packard Enterprise Company 4.400%, 10/15/2022	2,000,000	2,124,294
IBM Corp. 2.850%, 05/13/2022	835,000	864,634
Oracle Corp. 2.625%, 02/15/2023	3,000,000	3,139,972
		9,146,070
Materials – 0.6%		
Syngenta Finance NV 3.933%, 04/23/2021 (B)	1,880,000	1,892,613
Utilities – 2.6%		
Eversource Energy 2.800%, 05/01/2023	1,000,000	1,049,179
FirstEnergy Corp. 4.250%, 03/15/2023	1,675,000	1,768,675
Southern California Edison Company 2.400%, 02/01/2022	2,000,000	2,033,663

John Hancock Variable Insurance Trust

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

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Southern California		
Edison Company (continued)		
3.875%, 06/01/2021	\$ 3,000,000	\$ 3,016,515
		7,868,032
TOTAL CORPORATE BONDS (Cost \$162,199,384)		\$ 164,225,499
MUNICIPAL BONDS – 0.7%		
Port Authority of New York & New Jersey		
1.086%, 07/01/2023	2,000,000	2,029,800
TOTAL MUNICIPAL BONDS (Cost \$2,000,000)		\$ 2,029,800
COLLATERALIZED MORTGAGE OBLIGATIONS – 1.4%		
Commercial and residential – 1.2%		
COLT Mortgage Loan Trust		
Series 2020-3, Class A1		
1.506%, 04/27/2065 (B)(D)	1,056,717	1,065,080
Vista Point Securitization Trust		
Series 2020-1, Class A1		
1.763%, 03/25/2065 (B)(D)	2,506,753	2,526,135
		3,591,215
U.S. Government Agency – 0.2%		
Federal National Mortgage Association		
Series 2013-10, Class FT (1 month LIBOR + 0.350%)		
0.498%, 04/25/2042 (A)	779,334	779,890
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$4,344,457)		\$ 4,371,105
ASSET BACKED SECURITIES – 27.2%		
Ally Auto Receivables Trust		
Series 2019-3, Class A3		
1.930%, 05/15/2024	805,000	817,922
Series 2019-4, Class A3		
1.840%, 06/17/2024	3,000,000	3,044,889
Ally Master Owner Trust		
Series 2018-2, Class A		
3.290%, 05/15/2023	3,000,000	3,033,215
American Tower Trust		
Series 2013, Class 2A		
3.070%, 03/15/2048 (B)	2,500,000	2,549,068
BMW Vehicle Owner Trust		
Series 2018-A, Class A3		
2.350%, 04/25/2022	232,655	233,260
Capital One Multi-Asset Execution Trust		
Series 2018-A1, Class A1		
3.010%, 02/15/2024	1,500,000	1,512,089
CarMax Auto Owner Trust		
Series 2017-3, Class A3		
1.970%, 04/15/2022	182,867	183,170
Series 2017-3, Class A4		
2.220%, 11/15/2022	294,000	296,853
Series 2017-4, Class A4		
2.330%, 05/15/2023	1,225,000	1,242,875
Series 2018-1, Class A4		
2.640%, 06/15/2023	505,000	516,485
Series 2018-4, Class A3		
3.360%, 09/15/2023	865,267	883,501
Series 2019-1, Class A3		
3.050%, 03/15/2024	1,885,540	1,926,440
Series 2020-2, Class A2A		
1.750%, 01/17/2023	438,694	440,877

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
CCG Receivables Trust		
Series 2019-1, Class B		
3.220%, 09/14/2026 (B)	\$ 1,140,000	\$ 1,183,565
Citibank Credit Card Issuance Trust		
Series 2018-A1, Class A1		
2.490%, 01/20/2023	4,000,000	4,004,915
Crown Point CLO III, Ltd.		
Series 2015-3A, Class A2R (3 month LIBOR + 1.450%)		
1.687%, 12/31/2027 (A)(B)	1,605,000	1,604,995
DLL LLC		
Series 2019-MT3, Class A2		
2.130%, 01/20/2022 (B)	2,650,371	2,659,810
Enterprise Fleet Financing LLC		
Series 2018-3, Class A2		
3.380%, 05/20/2024 (B)	123,945	125,414
Flagship Credit Auto Trust		
Series 2018-2, Class D		
4.230%, 09/16/2024 (B)	1,140,000	1,199,948
Series 2019-2, Class A		
2.830%, 10/16/2023 (B)	2,184,271	2,210,501
Ford Credit Auto Lease Trust		
Series 2020-A, Class A3		
1.850%, 03/15/2023	983,000	996,185
Ford Credit Auto Owner Trust		
Series 2016-2, Class A		
2.030%, 12/15/2027 (B)	2,000,000	2,016,126
Series 2018-A, Class A3		
3.030%, 11/15/2022	1,352,930	1,365,011
Series 2020-A, Class A2		
1.030%, 10/15/2022	1,704,255	1,708,978
Ford Credit Floorplan Master Owner Trust		
Series 2018-1, Class A1		
2.950%, 05/15/2023	1,960,000	1,979,410
GM Financial Automobile Leasing Trust		
Series 2019-3, Class A3		
2.030%, 06/20/2022	1,300,000	1,309,742
GM Financial Consumer Automobile Receivables Trust		
Series 2018-1, Class A3		
2.320%, 07/18/2022	350,546	352,125
Series 2018-1, Class A4		
2.460%, 07/17/2023	1,090,000	1,106,531
Hertz Vehicle Financing II LP		
Series 2015-3A, Class A		
2.670%, 09/25/2021 (B)	432,370	432,782
Honda Auto Receivables Owner Trust		
Series 2018-3, Class A3		
2.950%, 08/22/2022	902,595	913,286
Series 2020-2, Class A2		
0.740%, 11/15/2022	303,967	304,655
HPEFS Equipment Trust		
Series 2019-1A, Class A3		
2.210%, 09/20/2029 (B)	1,000,000	1,010,807
Series 2020-2A, Class A2		
0.650%, 07/22/2030 (B)	2,200,000	2,204,309
Hyundai Auto Lease Securitization Trust		
Series 2018-B, Class A4		
3.200%, 06/15/2022 (B)	913,445	914,379
Nissan Auto Lease Trust		
Series 2019-A, Class A3		
2.760%, 03/15/2022	1,748,358	1,758,464
Series 2019-A, Class A4		
2.780%, 07/15/2024	360,000	365,398
Series 2019-B, Class A4		
2.290%, 04/15/2025	462,000	470,243

John Hancock Variable Insurance Trust

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

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Nissan Auto Receivables Owner Trust		
Series 2017-A, Class A4	\$ 1,017,016	\$ 1,020,491
2.110%, 05/15/2023		
Series 2018-A, Class A4	4,115,000	4,202,663
2.890%, 06/17/2024		
Series 2018-B, Class A3	1,014,610	1,028,546
3.060%, 03/15/2023		
Series 2019-A, Class A3	2,809,445	2,862,170
2.900%, 10/16/2023		
Series 2019-B, Class A3	3,000,000	3,057,911
2.500%, 11/15/2023		
PFS Financing Corp.		
Series 2018-B, Class A	2,790,000	2,795,812
2.890%, 02/15/2023 (B)		
Santander Consumer Auto Receivables Trust		
Series 2020-AA, Class A	942,273	951,408
1.370%, 10/15/2024 (B)		
SMB Private Education Loan Trust		
Series 2015-A, Class A2A	670,206	677,442
2.490%, 06/15/2027 (B)		
Tesla Auto Lease Trust		
Series 2018-B, Class A	1,418,991	1,427,979
3.710%, 08/20/2021 (B)		
Toyota Auto Receivables Owner Trust		
Series 2018-B, Class A3	925,533	935,392
2.960%, 09/15/2022		
Series 2019-C, Class A2A	114,807	115,171
2.000%, 04/15/2022		
Series 2020-B, Class A2	469,942	472,303
1.380%, 12/15/2022		
TRIP Rail Master Funding LLC		
Series 2017-1A, Class A1	469,861	470,454
2.709%, 08/15/2047 (B)		
Verizon Owner Trust		
Series 2018-A, Class A1A	1,229,780	1,246,102
3.230%, 04/20/2023		
Westlake Automobile Receivables Trust		
Series 2018-3A, Class C	3,990,000	4,028,573
3.610%, 10/16/2023 (B)		
Series 2019-2A, Class C	1,000,000	1,020,437
2.840%, 07/15/2024 (B)		
Wheels SPV 2 LLC		
Series 2018-1A, Class A2	838,427	841,433
3.060%, 04/20/2027 (B)		
World Omni Auto Receivables Trust		
Series 2017-A, Class A4	3,067,000	3,093,698
2.240%, 06/15/2023		
Series 2017-B, Class A3	1,126,107	1,133,694
1.950%, 02/15/2023		
Series 2018-C, Class A3	587,199	597,064
3.130%, 11/15/2023		
Series 2018-D, Class A3	548,773	560,310
3.330%, 04/15/2024		
Series 2020-A, Class A2A	226,051	226,824
1.020%, 06/15/2023		
World Omni Automobile Lease Securitization Trust		
Series 2019-A, Class A3	1,090,000	1,099,978
2.940%, 05/16/2022		
TOTAL ASSET BACKED SECURITIES (Cost \$82,834,296)		\$ 82,744,078
SHORT-TERM INVESTMENTS – 14.9%		
U.S. Government – 13.9%		
U.S. Treasury Bill		
0.058%, 01/28/2021 *	18,000,000	17,999,310

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
U.S. Government (continued)		
U.S. Treasury Bill (continued)		
0.070%, 02/11/2021 *	\$ 18,000,000	\$ 17,998,860
0.080%, 01/07/2021 *	6,500,000	6,499,984
		42,498,154
Short-term funds – 1.0%		
John Hancock Collateral Trust,		
0.1386% (E)(F)	10,394	104,000
State Street Institutional		
U.S. Government Money Market Fund, Premier Class, 0.0300% (E)	2,848,414	2,848,414
		2,952,414
TOTAL SHORT-TERM INVESTMENTS (Cost \$45,450,116)		\$ 45,450,568
Total Investments (Ultra Short Term Bond Trust)		
(Cost \$300,230,911) – 99.3%		\$ 302,210,659
Other assets and liabilities, net – 0.7%		
		2,039,374
TOTAL NET ASSETS – 100.0%		
		\$ 304,250,033

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered 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 \$70,729,515 or 23.2% of the fund's net assets as of 12-31-20.
(C)	All or a portion of this security is on loan as of 12-31-20.
(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 12-31-20.
(F)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
*	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.