

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 32.0%		
U.S. Government – 14.1%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 2,000,000	\$ 1,633,047
1.625%, 11/15/2050	6,500,000	5,837,813
1.875%, 02/15/2041 to 02/15/2051	12,499,300	12,076,207
2.250%, 05/15/2041	7,634,000	7,942,938
2.500%, 02/15/2045	12,428,000	13,446,513
2.875%, 05/15/2049	3,000,000	3,512,930
3.000%, 02/15/2047	3,420,000	4,062,853
3.125%, 11/15/2041	3,886,000	4,632,233
U.S. Treasury Notes		
0.250%, 03/15/2024	1,738,000	1,731,075
0.875%, 06/30/2026	2,456,000	2,454,849
1.125%, 02/15/2031	3,000,000	2,912,344
1.250%, 03/31/2028 to 06/30/2028	16,104,000	16,156,252
1.625%, 05/15/2031	12,916,000	13,113,776
2.375%, 05/15/2027	6,000,000	6,459,141
2.875%, 08/15/2028	7,000,000	7,785,039
		103,757,010
U.S. Government Agency – 17.9%		
Federal Home Loan Mortgage Corp.		
2.500%, 08/01/2050	289,707	302,241
3.000%, 03/01/2043 to 12/01/2049	6,639,008	7,035,519
3.500%, 10/01/2046 to 11/01/2048	8,724,527	9,351,960
4.000%, 01/01/2041 to 08/01/2048	926,660	1,006,497
4.500%, 09/01/2023 to 10/01/2041	1,546,097	1,715,908
Federal National Mortgage Association		
2.000%, TBA (A)	4,298,000	4,342,722
2.000%, 09/01/2050 to 10/01/2050	4,471,227	4,532,947
2.119%, (12 month LIBOR + 1.608%), 08/01/2034 (B)	216,494	224,315
2.372%, (6 month LIBOR + 2.122%), 07/01/2033 (B)	16,945	17,600
2.500%, TBA (A)	1,753,000	1,813,122
2.500%, 09/01/2050	1,031,597	1,076,226
3.000%, TBA (A)	26,250,000	27,365,630
3.000%, 01/01/2043 to 11/01/2049	7,644,417	8,118,636
3.500%, TBA (A)	25,000,000	26,312,488
3.500%, 06/01/2042 to 09/01/2049	8,031,658	8,632,267
4.000%, TBA (A)	16,000,000	17,036,248
4.000%, 10/01/2025 to 11/01/2045	4,251,142	4,625,202
4.500%, 05/01/2041	1,212,426	1,346,530
5.000%, 01/01/2022 to 02/01/2036	1,297,848	1,470,215
5.500%, 09/01/2034 to 01/01/2037	1,669,480	1,928,120
6.000%, 05/01/2035 to 02/01/2036	1,296,294	1,519,812
7.000%, 09/01/2031 to 06/01/2032	108,024	127,174
7.500%, 09/01/2029 to 08/01/2031	23,132	26,793
Government National Mortgage Association		
4.000%, 02/15/2041	1,087,501	1,195,148
5.000%, 04/15/2035	195,736	220,471
5.500%, 03/15/2035	99,724	114,113
6.000%, 03/15/2033 to 06/15/2033	128,193	147,829
6.500%, 09/15/2028 to 08/15/2031	25,375	28,755
7.000%, 04/15/2029	27,272	31,113
8.000%, 10/15/2026	13,321	14,853
		131,680,454
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$230,962,120)		\$ 235,437,464

Active Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS – 0.7%		
Argentina – 0.1%		
Republic of Argentina		
(0.125% to 7-9-21, then 2.500% to 7-9-22, then 3.500% to 7-9-29, then 4.875% thereafter), 07/09/2041	\$ 1,219,000	\$ 434,574
Republic of Argentina, GDP-Linked Note		
6.702%, 12/15/2035 (C)*	ARS 19,532,033	3,429
		438,003
Germany – 0.2%		
Federal Republic of Germany		
6.250%, 01/04/2030	EUR 725,000	1,357,456
Mexico – 0.1%		
Government of Mexico		
8.000%, 12/07/2023	MXN 11,861,100	623,353
Panama – 0.1%		
Republic of Panama		
8.875%, 09/30/2027	\$ 344,000	473,657
9.375%, 04/01/2029	130,000	192,205
		665,862
Qatar – 0.1%		
State of Qatar		
3.375%, 03/14/2024 (D)	428,000	459,030
5.103%, 04/23/2048 (D)	255,000	338,385
		797,415
Saudi Arabia – 0.1%		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (D)	689,000	797,518
United Kingdom – 0.0%		
Government of United Kingdom		
6.000%, 12/07/2028	GBP 85,000	163,808
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$4,636,793)		\$ 4,843,415
CORPORATE BONDS – 48.4%		
Communication services – 5.5%		
AMC Entertainment Holdings, Inc. (10.000% Cash or 12.000% PIK)		
12.000%, 06/15/2026 (D)	\$ 360,000	368,550
ANGI Group LLC		
3.875%, 08/15/2028 (D)	221,000	219,619
AT&T, Inc.		
2.300%, 06/01/2027	322,000	333,046
3.100%, 02/01/2043	709,000	694,714
3.500%, 06/01/2041	427,000	443,553
3.650%, 06/01/2051	147,000	152,608
4.350%, 06/15/2045	285,000	326,985
7.625%, 04/15/2031	451,000	634,149
C&W Senior Financing DAC		
6.875%, 09/15/2027 (D)	315,000	336,152
Cable One, Inc.		
4.000%, 11/15/2030 (D)	126,000	126,473
CCO Holdings LLC		
4.500%, 06/01/2033 (D)	210,000	214,885
Charter Communications Operating LLC		
2.800%, 04/01/2031	400,000	408,925
3.900%, 06/01/2052	230,000	234,187
4.200%, 03/15/2028	671,000	759,356
4.800%, 03/01/2050	715,000	821,212
5.750%, 04/01/2048	761,000	968,556
6.484%, 10/23/2045	630,000	867,624
Cincinnati Bell, Inc.		
7.000%, 07/15/2024 (D)	351,000	360,214
Clear Channel Outdoor Holdings, Inc.		
7.750%, 04/15/2028 (D)	95,000	99,514

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Comcast Corp.		
3.969%, 11/01/2047	\$ 633,000	\$ 736,961
3.999%, 11/01/2049	761,000	896,154
4.150%, 10/15/2028	941,000	1,089,261
Connect Finco SARL		
6.750%, 10/01/2026 (D)	400,000	423,000
Cox Communications, Inc.		
1.800%, 10/01/2030 (D)	252,000	240,175
CSC Holdings LLC		
5.875%, 09/15/2022	215,000	225,578
Deutsche Telekom International Finance BV		
8.750%, 06/15/2030	758,000	1,135,816
Fox Corp.		
3.500%, 04/08/2030 (E)	400,000	440,738
GCI LLC		
4.750%, 10/15/2028 (D)	237,000	242,570
Globo Comunicacao e Participacoes SA		
4.875%, 01/22/2030 (D)	400,000	413,004
Level 3 Financing, Inc.		
3.400%, 03/01/2027 (D)	432,000	457,985
Lions Gate Capital Holdings LLC		
5.500%, 04/15/2029 (D)	385,000	404,731
Live Nation Entertainment, Inc.		
4.750%, 10/15/2027 (D)	355,000	367,869
Lumen Technologies, Inc.		
7.600%, 09/15/2039	1,000,000	1,137,500
Match Group Holdings II LLC		
4.125%, 08/01/2030 (D)	234,000	238,095
MDC Partners, Inc.		
7.500%, 05/01/2024 (D)	427,000	432,338
MTN Mauritius Investments, Ltd.		
4.755%, 11/11/2024 (D)	140,000	149,399
Netflix, Inc.		
4.375%, 11/15/2026	700,000	796,054
4.875%, 04/15/2028	621,000	721,913
4.875%, 06/15/2030 (D)	277,000	329,436
5.375%, 11/15/2029 (D)	120,000	145,752
5.875%, 11/15/2028	487,000	597,758
News Corp.		
3.875%, 05/15/2029 (D)	209,000	211,090
Oztel Holdings SPC, Ltd.		
6.625%, 04/24/2028 (D)	250,000	277,088
Playtika Holding Corp.		
4.250%, 03/15/2029 (D)	57,000	56,961
Radiate Holdco LLC		
6.500%, 09/15/2028 (D)	225,000	236,396
Sirius XM Radio, Inc.		
4.000%, 07/15/2028 (D)	357,000	367,710
5.000%, 08/01/2027 (D)	383,000	401,288
SoftBank Group Corp. (6.875% to 7-19-27, then 5 Year ICE Swap Rate + 4.854%) 07/19/2027 (F)	404,000	426,018
Sprint Capital Corp.		
6.875%, 11/15/2028	400,000	513,000
Sprint Corp.		
7.875%, 09/15/2023	305,000	346,503
Switch, Ltd.		
3.750%, 09/15/2028 (D)	81,000	82,013
Telecom Argentina SA		
8.000%, 07/18/2026 (D)	249,000	234,421
Telecom Italia Capital SA		
7.200%, 07/18/2036	397,000	512,130
Telecom Italia SpA		
5.303%, 05/30/2024 (D)	270,000	295,569

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Telefonica Celular del Paraguay SA		
5.875%, 04/15/2027 (D)	\$ 265,000	\$ 278,250
Telefonica Emisiones SA		
5.213%, 03/08/2047	754,000	941,199
Telesat Canada		
5.625%, 12/06/2026 (D)	157,000	157,589
Time Warner Cable LLC		
5.500%, 09/01/2041	450,000	557,766
Time Warner Entertainment Company LP		
8.375%, 07/15/2033	300,000	454,569
T-Mobile USA, Inc.		
2.050%, 02/15/2028	544,000	552,252
2.550%, 02/15/2031	208,000	210,330
2.875%, 02/15/2031	59,000	58,558
3.375%, 04/15/2029	487,000	502,581
3.750%, 04/15/2027	300,000	331,500
3.875%, 04/15/2030	1,050,000	1,173,711
4.500%, 04/15/2050	696,000	828,750
Total Play Telecomunicaciones SA de CV		
7.500%, 11/12/2025 (D)	480,000	507,840
Townsquare Media, Inc.		
6.875%, 02/01/2026 (D)	102,000	109,140
Twitter, Inc.		
3.875%, 12/15/2027 (D)	239,000	253,938
Univision Communications, Inc.		
4.500%, 05/01/2029 (D)	111,000	111,833
Verizon Communications, Inc.		
2.650%, 11/20/2040	752,000	723,663
3.000%, 03/22/2027	104,000	111,918
3.400%, 03/22/2041	159,000	168,197
4.272%, 01/15/2036	1,311,000	1,559,861
4.329%, 09/21/2028	792,000	921,524
4.400%, 11/01/2034	347,000	413,349
4.500%, 08/10/2033	403,000	481,572
4.522%, 09/15/2048	978,000	1,209,847
4.672%, 03/15/2055	397,000	510,711
4.862%, 08/21/2046	665,000	860,370
5.012%, 08/21/2054	335,000	457,983
ViacomCBS, Inc.		
4.375%, 03/15/2043	642,000	742,831
Videotron, Ltd.		
3.625%, 06/15/2029 (D)	171,000	174,370
Vodafone Group PLC (7.000% to 1-4-29, then 5 Year U.S. Swap Rate + 4.873%) 04/04/2079	558,000	676,145
WMG Acquisition Corp.		
3.000%, 02/15/2031 (D)	422,000	399,828
		40,394,571
Consumer discretionary – 4.9%		
Affinity Gaming		
6.875%, 12/15/2027 (D)	159,000	168,739
Amazon.com, Inc.		
3.150%, 08/22/2027	715,000	789,994
4.050%, 08/22/2047	440,000	536,731
Asbury Automotive Group, Inc.		
4.750%, 03/01/2030	172,000	179,740
AutoNation, Inc.		
4.750%, 06/01/2030	186,000	219,983
AutoZone, Inc.		
3.125%, 04/21/2026	535,000	581,895
Bally's Corp.		
6.750%, 06/01/2027 (D)	393,000	418,793
BMW US Capital LLC		
2.950%, 04/14/2022 (D)	500,000	510,749

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Booking Holdings, Inc. 4.625%, 04/13/2030	\$ 483,000	\$ 576,352
Brinker International, Inc. 3.875%, 05/15/2023 (E)	740,000	762,274
Brookfield Residential Properties, Inc. 5.000%, 06/15/2029 (D)	154,000	155,155
Caesars Resort Collection LLC 5.750%, 07/01/2025 (D)	116,000	122,235
CCM Merger, Inc. 6.375%, 05/01/2026 (D)	139,000	145,950
Century Communities, Inc. 6.750%, 06/01/2027	233,000	247,271
Choice Hotels International, Inc. 3.700%, 12/01/2029 to 01/15/2031	388,000	419,913
Daimler Finance North America LLC 3.500%, 08/03/2025 (D)	240,000	262,064
Dave & Buster's, Inc. 7.625%, 11/01/2025 (D)	56,000	60,270
Dealer Tire LLC 8.000%, 02/01/2028 (D)	122,000	131,455
Dollar Tree, Inc. 4.200%, 05/15/2028	781,000	890,935
eBay, Inc. 2.700%, 03/11/2030	544,000	565,909
	3,800,000	530,736
Empire Communities Corp. 7.000%, 12/15/2025 (D)	45,000	47,250
Everi Holdings, Inc. 5.000%, 07/15/2029 (D)	29,000	29,000
Expedia Group, Inc. 2.950%, 03/15/2031	261,000	264,475
	3,250,000	500,338
	3,800,000	789,591
	4,625,000	462,229
	5,000,000	1,500,119
Ford Motor Credit Company LLC 4.000%, 11/13/2030	225,000	235,688
	4,125,000	367,029
	4,134,000	1,105,077
	5,113,000	673,927
GEMS MENASA Cayman, Ltd. 7.125%, 07/31/2026 (D)	221,000	228,735
General Motors Company 5.400%, 04/01/2048	210,000	267,484
General Motors Financial Company, Inc. 3.600%, 06/21/2030	941,000	1,018,869
	4,350,000	454,214
Group 1 Automotive, Inc. 4.000%, 08/15/2028 (D)	44,000	44,770
Hanesbrands, Inc. 5.375%, 05/15/2025 (D)	125,000	132,344
Hilton Domestic Operating Company, Inc. 3.625%, 02/15/2032 (D)	259,000	255,763
	4,000,000	179,579
	4,875,000	327,723
	5,750,000	102,797
Hilton Grand Vacations Borrower Escrow LLC 4.875%, 07/01/2031 (D)	187,000	186,510
	5,000,000	243,355
Hyatt Hotels Corp. 3.375%, 07/15/2023	660,000	687,281
	4,375,000	94,682
	5,750,000	299,828

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Hyundai Capital America 1.800%, 10/15/2025 (D)	\$ 201,000	\$ 203,940
	201,000	205,491
International Game Technology PLC 6.500%, 02/15/2025 (D)	180,000	201,825
Jacobs Entertainment, Inc. 7.875%, 02/01/2024 (D)	267,000	279,015
KB Home 4.000%, 06/15/2031	264,000	266,310
Ken Garff Automotive LLC 4.875%, 09/15/2028 (D)	169,000	172,380
LCM Investments Holdings II LLC 4.875%, 05/01/2029 (D)	62,000	63,550
Levi Strauss & Company 3.500%, 03/01/2031 (D)	91,000	90,472
Life Time, Inc. 8.000%, 04/15/2026 (D)	119,000	126,823
Macy's Retail Holdings LLC 5.875%, 04/01/2029 (D)	71,000	76,356
Macy's, Inc. 8.375%, 06/15/2025 (D)	124,000	136,549
Marriott International, Inc. 2.850%, 04/15/2031	425,000	431,584
	3,125,000	1,241,203
	3,500,000	266,638
	4,625,000	452,619
Marriott Ownership Resorts, Inc. 4.500%, 06/15/2029 (D)	42,000	42,578
McDonald's Corp. 3.600%, 07/01/2030	500,000	562,237
	4,200,000	602,467
MDC Holdings, Inc. 2.500%, 01/15/2031	155,000	150,992
	5,500,000	734,086
MGM Resorts International 4.750%, 10/15/2028	342,000	363,375
Midwest Gaming Borrower LLC 4.875%, 05/01/2029 (D)	243,000	243,304
Mohegan Gaming & Entertainment 8.000%, 02/01/2026 (D)	282,000	294,662
NCL Corp., Ltd. 3.625%, 12/15/2024 (D)	700,000	675,500
New Red Finance, Inc. 4.000%, 10/15/2030 (D)	553,000	535,028
NIKE, Inc. 2.750%, 03/27/2027	500,000	538,904
	2,850,000	543,489
Prosus NV 5.500%, 07/21/2025 (D)	290,000	331,006
QVC, Inc. 4.375%, 03/15/2023	195,000	205,626
	5,450,000	191,619
Resorts World Las Vegas LLC 4.625%, 04/16/2029 (D)	300,000	310,920
Service Corp. International 3.375%, 08/15/2030	148,000	145,010
	4,000,000	244,962
Sotheby's 7.375%, 10/15/2027 (D)	245,000	264,294
Specialty Building Products Holdings LLC 6.375%, 09/30/2026 (D)	33,000	34,558
StoneMor, Inc. 8.500%, 05/15/2029 (D)	380,000	384,275

John Hancock Variable Insurance Trust

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Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Target Corp.		
2.250%, 04/15/2025	\$ 500,000	\$ 525,250
The Home Depot, Inc.		
2.500%, 04/15/2027	500,000	532,848
2.700%, 04/15/2030	500,000	534,592
The TJX Companies, Inc.		
3.875%, 04/15/2030	400,000	458,506
4.500%, 04/15/2050 (E)	400,000	533,155
Toll Brothers Finance Corp.		
3.800%, 11/01/2029	59,000	63,278
Travel + Leisure Company		
4.625%, 03/01/2030 (D)	191,000	196,864
6.000%, 04/01/2027	700,000	768,999
6.600%, 10/01/2025	145,000	162,979
Waterford Gaming LLC		
8.625%, 09/15/2014 (D)(G)(H)	330,607	0
Wyndham Hotels & Resorts, Inc.		
4.375%, 08/15/2028 (D)	133,000	138,082
Yum! Brands, Inc.		
3.625%, 03/15/2031	252,000	250,740
4.750%, 01/15/2030 (D)	241,000	260,885
5.350%, 11/01/2043	600,000	637,500
6.875%, 11/15/2037	292,000	362,080
		35,815,205
Consumer staples – 2.1%		
7-Eleven, Inc.		
2.800%, 02/10/2051 (D)	460,000	429,124
Advantage Sales & Marketing, Inc.		
6.500%, 11/15/2028 (D)	416,000	437,840
Albertsons Companies, Inc.		
3.250%, 03/15/2026 (D)	143,000	145,038
3.500%, 03/15/2029 (D)	359,000	354,961
4.875%, 02/15/2030 (D)	148,000	157,843
Anheuser-Busch InBev Worldwide, Inc.		
4.439%, 10/06/2048	730,000	873,731
4.600%, 04/15/2048	450,000	549,380
BRF SA		
5.750%, 09/21/2050 (D)	285,000	292,268
Bunge, Ltd. Finance Corp.		
3.250%, 08/15/2026	500,000	540,062
Cargill, Inc.		
2.125%, 04/23/2030 (D)	220,000	222,788
Constellation Brands, Inc.		
3.150%, 08/01/2029	159,000	170,512
Edgewell Personal Care Company		
4.125%, 04/01/2029 (D)	164,000	165,640
5.500%, 06/01/2028 (D)	267,000	283,020
Fomento Economico Mexicano SAB de CV		
4.375%, 05/10/2043	1,000,000	1,188,560
General Mills, Inc.		
2.875%, 04/15/2030	400,000	423,726
3.150%, 12/15/2021	500,000	502,989
JBS Finance Luxembourg Sarl		
3.625%, 01/15/2032 (D)	271,000	270,916
JBS USA Food Company		
5.750%, 01/15/2028 (D)	490,000	524,163
JBS USA LUX SA		
3.750%, 12/01/2031 (D)	86,000	88,000
Keurig Dr. Pepper, Inc.		
3.200%, 05/01/2030	560,000	605,319
Kraft Heinz Foods Company		
4.375%, 06/01/2046	360,000	407,952
4.875%, 10/01/2049	80,000	97,116
5.000%, 06/04/2042	124,000	151,416

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Kraft Heinz Foods Company (continued)		
5.500%, 06/01/2050	\$ 224,000	\$ 290,697
MARB BondCo PLC		
3.950%, 01/29/2031 (D)	260,000	250,692
NBM US Holdings, Inc.		
6.625%, 08/06/2029 (D)	394,000	442,659
7.000%, 05/14/2026 (D)	210,000	226,382
Oriflame Investment Holding PLC		
5.125%, 05/04/2026 (D)	270,000	276,831
PepsiCo, Inc.		
2.750%, 03/19/2030	500,000	538,451
Post Holdings, Inc.		
5.500%, 12/15/2029 (D)	177,000	189,611
Reynolds American, Inc.		
4.850%, 09/15/2023	1,000,000	1,090,631
Simmons Foods, Inc.		
4.625%, 03/01/2029 (D)	43,000	43,374
Sysco Corp.		
5.950%, 04/01/2030	355,000	455,309
6.600%, 04/01/2050	1,000,000	1,553,363
The Estee Lauder Companies, Inc.		
2.600%, 04/15/2030	400,000	422,253
The Kroger Company		
2.200%, 05/01/2030	132,000	132,756
U.S. Foods, Inc.		
4.750%, 02/15/2029 (D)	216,000	220,320
		15,015,693
Energy – 4.7%		
Aker BP ASA		
2.875%, 01/15/2026 (D)	276,000	290,706
3.000%, 01/15/2025 (D)	270,000	283,399
4.000%, 01/15/2031 (D)	523,000	574,455
Altera Infrastructure LP		
8.500%, 07/15/2023 (D)	287,000	262,605
Anadarko Petroleum Corp.		
4.500%, 07/15/2044 (E)	400,000	359,200
5.550%, 03/15/2026	800,000	858,128
Antero Midstream Partners LP		
5.375%, 06/15/2029 (D)	233,000	242,903
Antero Resources Corp.		
5.000%, 03/01/2025	223,000	228,234
5.375%, 03/01/2030 (D)	90,000	91,857
Apache Corp.		
5.100%, 09/01/2040	325,000	340,438
Ascent Resources Utica Holdings LLC		
5.875%, 06/30/2029 (D)	246,000	246,000
Boardwalk Pipelines LP		
3.375%, 02/01/2023	850,000	877,254
BP Capital Markets PLC		
2.750%, 05/10/2023	530,000	551,941
Buckeye Partners LP		
3.950%, 12/01/2026	500,000	508,750
Cameron International Corp.		
5.950%, 06/01/2041	1,178,000	1,503,870
Cenovus Energy, Inc.		
3.950%, 04/15/2022	327,000	332,856
Cheniere Energy Partners LP		
4.000%, 03/01/2031 (D)	494,000	516,230
4.500%, 10/01/2029	461,000	495,575
CNOOC Finance 2003, Ltd.		
5.500%, 05/21/2033 (D)	545,000	659,434
ConocoPhillips Company		
5.950%, 03/15/2046	30,000	44,459
Continental Resources, Inc.		
4.900%, 06/01/2044	400,000	453,002

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
CSI Compressco LP		
7.500%, 04/01/2025 (D)(E)	\$ 393,000	\$ 398,895
7.500%, 04/01/2025 (D)	98,000	99,470
CSI Compressco LP (10.000% Cash or 7.250% Cash and 2.750% PIK)		
10.000%, 04/01/2026 (D)	315,682	287,271
DCP Midstream Operating LP (5.850% to 5-21-23, then 3 month LIBOR + 3.850%) 05/21/2043 (D)	201,000	185,925
Devon Energy Corp.		
5.000%, 06/15/2045	600,000	704,821
7.875%, 09/30/2031	874,000	1,224,436
Diamondback Energy, Inc.		
3.125%, 03/24/2031	257,000	266,344
Enbridge Energy Partners LP		
7.500%, 04/15/2038	600,000	889,920
Enbridge, Inc. (5.500% to 7-15-27, then 3 month LIBOR + 3.418%) 07/15/2077	397,000	422,408
Enbridge, Inc. (5.750% to 4-15-30, then 5 Year CMT + 5.314%) 07/15/2080	400,000	446,000
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.641%) 03/01/2078	394,000	430,066
Energiean Israel Finance, Ltd.		
5.375%, 03/30/2028 (D)	99,000	101,595
5.875%, 03/30/2031 (D)	172,000	176,445
Energy Transfer LP		
4.200%, 04/15/2027	141,000	155,722
5.150%, 03/15/2045	340,000	393,233
5.250%, 04/15/2029	810,000	956,747
5.400%, 10/01/2047	324,000	383,858
5.500%, 06/01/2027	438,000	513,680
5.950%, 10/01/2043	300,000	374,271
Energy Transfer LP (6.500% to 11-15-26, then 5 Year CMT + 5.694%) 11/15/2026 (F)	474,000	483,243
Enterprise Products Operating LLC		
6.875%, 03/01/2033	471,000	673,158
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.033%) 08/16/2077	701,000	734,980
EQT Corp.		
3.125%, 05/15/2026 (D)	120,000	122,965
3.625%, 05/15/2031 (D)	119,000	124,058
Hess Corp.		
5.600%, 02/15/2041	400,000	499,310
5.800%, 04/01/2047	500,000	651,515
Kinder Morgan Energy Partners LP		
5.000%, 10/01/2021	500,000	500,000
7.750%, 03/15/2032	260,000	372,808
Kinder Morgan, Inc.		
4.300%, 03/01/2028	176,000	200,894
Leviathan Bond, Ltd.		
6.500%, 06/30/2027 (D)	426,000	472,584
6.750%, 06/30/2030 (D)	85,000	95,730
Lundin Energy Finance BV		
2.000%, 07/15/2026 (D)	267,000	267,427
3.100%, 07/15/2031 (D)	383,000	386,882
Marathon Oil Corp.		
6.800%, 03/15/2032	785,000	1,031,200
Midwest Connector Capital Company LLC		
3.625%, 04/01/2022 (D)	205,000	208,460
3.900%, 04/01/2024 (D)	468,000	489,364

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
MPLX LP		
4.000%, 03/15/2028	\$ 311,000	\$ 347,436
4.125%, 03/01/2027	103,000	115,092
4.250%, 12/01/2027	169,000	191,507
MPLX LP (6.875% to 2-15-23, then 3 month LIBOR + 4.652%) 02/15/2023 (F)	782,000	796,545
New Fortress Energy, Inc.		
6.500%, 09/30/2026 (D)	391,000	399,524
Occidental Petroleum Corp.		
2.900%, 08/15/2024	273,000	279,143
3.500%, 08/15/2029	72,000	72,259
ONEOK Partners LP		
6.650%, 10/01/2036	835,000	1,125,033
Ovintiv Exploration, Inc.		
5.625%, 07/01/2024	500,000	556,709
Parkland Corp.		
4.500%, 10/01/2029 (D)	166,000	168,688
Petrobras Global Finance BV		
6.900%, 03/19/2049	160,000	190,760
Plains All American Pipeline LP		
4.900%, 02/15/2045	750,000	815,086
Sabine Pass Liquefaction LLC		
4.200%, 03/15/2028	293,000	330,894
5.000%, 03/15/2027	186,000	214,782
5.875%, 06/30/2026	626,000	741,032
Sinopec Group Overseas Development 2015, Ltd.		
3.250%, 04/28/2025 (D)	550,000	587,884
Sunoco LP		
4.500%, 05/15/2029 (D)	96,000	97,680
Targa Resources Partners LP		
4.000%, 01/15/2032 (D)	243,000	249,962
5.875%, 04/15/2026	478,000	502,048
The Williams Companies, Inc.		
3.750%, 06/15/2027	437,000	485,490
5.750%, 06/24/2044	149,000	195,433
TransCanada PipeLines, Ltd.		
4.250%, 05/15/2028	220,000	252,700
Valero Energy Corp.		
2.850%, 04/15/2025	400,000	424,130
		34,586,798
Financials – 11.2%		
Ally Financial, Inc.		
5.800%, 05/01/2025	280,000	325,383
Ambac Assurance Corp.		
5.100%, 07/20/2021 (D)(F)	131	184
Ambac LSNI LLC (Greater of 3 month LIBOR + 5.000% or 6.000%) 6.000%, 02/12/2023 (B)(D)	478	478
American International Group, Inc.		
3.900%, 04/01/2026	830,000	926,231
American International Group, Inc. (6.250% to 3-15-37, then 3 month LIBOR + 2.056%) 03/15/2037	100,000	116,447
Ameriprise Financial, Inc.		
2.875%, 09/15/2026	500,000	537,126
Ares Capital Corp.		
2.150%, 07/15/2026	549,000	545,938
2.875%, 06/15/2028	309,000	313,641
3.875%, 01/15/2026	897,000	960,904
4.200%, 06/10/2024	246,000	264,287
Assurant, Inc.		
4.000%, 03/15/2023	1,260,000	1,330,052

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Athene Holding, Ltd. 3.500%, 01/15/2031	\$ 206,000	\$ 219,627
Australia & New Zealand Banking Group, Ltd. (6.750% to 6-15-26, then 5 Year ICE Swap Rate + 5.168%) 06/15/2026 (D)(F)	235,000	276,273
AXA SA 8.600%, 12/15/2030	170,000	258,340
Banco Santander SA 4.379%, 04/12/2028	324,000	370,273
Bank of America Corp. 3.248%, 10/21/2027	586,000	635,657
3.950%, 04/21/2025	539,000	591,525
Bank of America Corp. (2.087% to 6-14-28, then SOFR + 1.060%) 06/14/2029	582,000	586,709
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	563,000	580,418
Bank of America Corp. (2.687% to 4-22-31, then SOFR + 1.320%) 04/22/2032	881,000	906,368
Bank of America Corp. (2.884% to 10-22-29, then 3 month LIBOR + 1.190%) 10/22/2030	500,000	526,695
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,149,000	1,190,764
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,087,000	1,183,862
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	500,000	597,458
Bank of America Corp. (6.300% to 3-10-26, then 3 month LIBOR + 4.553%) 03/10/2026 (F)	662,000	763,888
Barclays PLC 4.375%, 01/12/2026	300,000	335,907
BlackRock, Inc. 1.900%, 01/28/2031	500,000	500,305
BPCE SA 4.500%, 03/15/2025 (D)	360,000	396,647
Brighthouse Financial, Inc. 3.700%, 06/22/2027 (E)	391,000	425,141
Brightstar Escrow Corp. 9.750%, 10/15/2025 (D)	144,000	154,980
Capital One Financial Corp. 3.500%, 06/15/2023	1,023,000	1,081,646
3.750%, 07/28/2026	500,000	551,564
CIT Group, Inc. 5.000%, 08/01/2023	700,000	756,875
Citigroup, Inc. 3.200%, 10/21/2026	655,000	709,536
3.500%, 05/15/2023	1,060,000	1,117,502
4.500%, 01/14/2022	1,000,000	1,022,777
4.600%, 03/09/2026	792,000	901,455
5.500%, 09/13/2025	215,000	250,430
Citigroup, Inc. (2.561% to 5-1-31, then SOFR + 1.167%) 05/01/2032	409,000	416,342
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.914%) 03/31/2031	1,000,000	1,167,667
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.234%) 01/30/2025 (F)	579,000	597,441

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Citigroup, Inc. (6.250% to 8-15-26, then 3 month LIBOR + 4.517%) 08/15/2026 (F)	\$ 415,000	\$ 484,915
Citizens Financial Group, Inc. 3.250%, 04/30/2030	605,000	655,491
CNA Financial Corp. 2.050%, 08/15/2030	205,000	201,322
CNO Financial Group, Inc. 5.250%, 05/30/2025 to 05/30/2029	635,000	744,123
Credit Agricole SA 2.811%, 01/11/2041 (D)	279,000	264,717
3.250%, 01/14/2030 (D)	548,000	576,910
4.375%, 03/17/2025 (D)	600,000	659,638
Credit Agricole SA (7.875% to 1-23-24, then 5 Year U.S. Swap Rate + 4.898%) 01/23/2024 (D)(F)	310,000	350,300
Credit Suisse Group AG 4.550%, 04/17/2026	405,000	458,708
Discover Financial Services 4.100%, 02/09/2027	167,000	186,866
Enova International, Inc. 8.500%, 09/01/2024 to 09/15/2025 (D)	354,000	363,806
Fifth Third Bancorp (5.100% to 6-30-23, then 3 month LIBOR + 3.033%) 06/30/2023 (F)	352,000	365,200
Freedom Mortgage Corp. 8.125%, 11/15/2024 (D)	310,000	320,463
8.250%, 04/15/2025 (D)	70,000	73,063
GE Capital International Funding Company 4.418%, 11/15/2035	829,000	993,541
Global Atlantic Fin Company 3.125%, 06/15/2031 (D)	1,000,000	1,005,997
ING Groep NV (6.500% to 4-16-25, then 5 Year U.S. Swap Rate + 4.446%) 04/16/2025 (F)	135,000	150,485
Intesa Sanpaolo SpA 4.198%, 06/01/2032 (D)	201,000	205,977
Invesco Finance PLC 3.125%, 11/30/2022	850,000	881,420
Jefferies Financial Group, Inc. 5.500%, 10/18/2023	1,000,000	1,075,588
Jefferies Group LLC 4.150%, 01/23/2030	420,000	470,341
4.850%, 01/15/2027	505,000	587,404
JPMorgan Chase & Co. 2.950%, 10/01/2026	675,000	726,352
3.375%, 05/01/2023	1,250,000	1,315,818
4.125%, 12/15/2026	600,000	678,670
4.500%, 01/24/2022	1,300,000	1,331,253
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	586,000	602,990
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	544,000	571,476
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	539,000	600,233
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (F)	503,000	521,259
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (F)	582,000	645,351

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Lazard Group LLC		
4.375%, 03/11/2029	\$ 220,000	\$ 250,036
Legg Mason, Inc.		
3.950%, 07/15/2024	660,000	722,074
4.750%, 03/15/2026	825,000	959,925
Liberty Mutual Group, Inc.		
3.950%, 05/15/2060 (D)	500,000	549,371
4.250%, 06/15/2023 (D)	1,000,000	1,068,067
Lloyds Banking Group PLC		
4.450%, 05/08/2025	875,000	981,898
Lloyds Banking Group PLC (7.500% to 6-27-24, then 5 Year U.S. Swap Rate + 4.760%) 06/27/2024 (F)	345,000	392,438
Loews Corp.		
2.625%, 05/15/2023	630,000	652,095
3.750%, 04/01/2026	825,000	917,531
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (F)	186,000	204,831
Macquarie Bank, Ltd.		
3.624%, 06/03/2030 (D)	329,000	347,759
4.875%, 06/10/2025 (D)(E)	360,000	402,620
Markel Corp.		
5.000%, 03/30/2043	1,270,000	1,536,018
MetLife, Inc.		
3.000%, 03/01/2025	300,000	322,253
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.205%) 12/15/2036	402,000	516,298
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 04/08/2038 (D)	120,000	181,976
Morgan Stanley		
3.875%, 01/27/2026	361,000	403,596
4.100%, 05/22/2023	900,000	958,310
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	1,047,000	1,087,102
Morgan Stanley (3 month LIBOR + 3.610%) 3.794%, 10/15/2021 (B)(F)	200,000	200,750
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	1,116,254
MSCI, Inc.		
3.625%, 11/01/2031 (D)	318,000	326,173
Nationstar Mortgage Holdings, Inc.		
5.125%, 12/15/2030 (D)	176,000	175,120
5.500%, 08/15/2028 (D)	191,000	192,553
6.000%, 01/15/2027 (D)	99,000	102,592
Nationwide Mutual Insurance Company (3 month LIBOR + 2.290%) 2.409%, 12/15/2024 (B)(D)	1,130,000	1,130,934
NatWest Group PLC		
3.875%, 09/12/2023	500,000	534,123
NatWest Group PLC (6.000% to 12-29-25, then 5 Year CMT + 5.625%) 12/29/2025 (F)	431,000	480,384
NatWest Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.598%) 08/15/2021 (F)	665,000	669,801
New York Life Insurance Company		
3.750%, 05/15/2050 (D)	198,000	221,102
Nippon Life Insurance Company (2.750% to 1-21-31, then 5 Year CMT + 2.653%) 01/21/2051 (D)	659,000	645,820

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year U.S. Swap Rate + 3.650%) 10/16/2044 (D)	\$ 355,000	\$ 391,388
OneMain Finance Corp.		
6.875%, 03/15/2025	65,000	73,359
8.875%, 06/01/2025	142,000	157,434
Operadora de Servicios Mega SA de CV 8.250%, 02/11/2025 (D)	295,000	296,475
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.175%) 09/15/2042	795,000	840,407
Radian Group, Inc.		
4.500%, 10/01/2024	140,000	149,944
Raymond James Financial, Inc.		
4.950%, 07/15/2046	500,000	646,203
Santander Holdings USA, Inc.		
3.244%, 10/05/2026	815,000	870,518
3.450%, 06/02/2025	691,000	742,565
4.400%, 07/13/2027	203,000	228,133
SBL Holdings, Inc.		
5.000%, 02/18/2031 (D)	360,000	387,762
Societe Generale SA (4.750% to 5-26-26, then 5 Year CMT + 3.931%) 05/26/2026 (D)(F)	346,000	358,543
Societe Generale SA (5.375% to 11-18-30, then 5 Year CMT + 4.514%) 11/18/2030 (D)(F)	355,000	375,856
Societe Generale SA (7.375% to 9-13-21, then 5 Year U.S. Swap Rate + 6.238%) 09/13/2021 (D)(F)	319,000	321,807
Sompo International Holdings, Ltd. 4.700%, 10/15/2022	1,080,000	1,133,889
State Street Corp. (2.901% to 3-30-25, then SOFR + 2.600%) 03/30/2026	1,000,000	1,067,699
Stifel Financial Corp. 4.250%, 07/18/2024	1,300,000	1,424,302
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (D)	447,000	534,399
The Goldman Sachs Group, Inc.		
3.500%, 04/01/2025	500,000	542,449
3.625%, 01/22/2023	1,200,000	1,259,770
3.850%, 01/26/2027	897,000	988,416
The Goldman Sachs Group, Inc. (2.615% to 4-22-31, then SOFR + 1.281%) 04/22/2032	1,090,000	1,113,508
The Hartford Financial Services Group, Inc.		
6.625%, 03/30/2040	500,000	724,258
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (F)	276,000	287,730
The PNC Financial Services Group, Inc. (6.750% to 8-1-21, then 3 month LIBOR + 3.678%) 08/01/2021 (F)	533,000	533,509
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (D)(F)	323,000	355,704
Unifin Financiera SAB de CV 9.875%, 01/28/2029 (D)	391,000	388,181
Unum Group		
4.125%, 06/15/2051	169,000	170,507
Voya Financial, Inc.		
4.800%, 06/15/2046	700,000	886,244

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Voya Financial, Inc. (5.650% to 5-15-23, then 3 month LIBOR + 3.580%) 05/15/2053	\$ 565,000	\$ 604,550
Wells Fargo & Company 3.450%, 02/13/2023	900,000	943,468
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	881,000	913,681
Wells Fargo & Company (2.879% to 10-30-29, then SOFR + 1.432%) 10/30/2030	656,000	694,683
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	426,000	436,941
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (F)	979,000	1,096,392
		82,654,898
Health care – 3.5%		
Abbott Laboratories 3.750%, 11/30/2026	680,000	767,943
AbbVie, Inc. 3.200%, 11/21/2029	2,344,000	2,545,688
Agilent Technologies, Inc. 3.875%, 07/15/2023	670,000	711,164
AmerisourceBergen Corp. 2.800%, 05/15/2030	457,000	476,304
Anthem, Inc. 2.250%, 05/15/2030	179,000	180,539
Bausch Health Companies, Inc. 5.250%, 01/30/2030 (D)	193,000	179,490
	344,000	352,600
	390,000	385,730
Baxter International, Inc. 3.500%, 08/15/2046	500,000	562,703
Biogen, Inc. 2.250%, 05/01/2030	400,000	401,090
	500,000	491,046
Catalent Pharma Solutions, Inc. 3.125%, 02/15/2029 (D)	64,000	61,976
	81,000	84,642
Centene Corp. 2.500%, 03/01/2031	422,000	416,198
	397,000	407,830
	176,000	183,976
	127,000	133,826
	162,000	178,163
	1,035,000	1,081,575
Charles River Laboratories International, Inc. 4.250%, 05/01/2028 (D)	81,000	83,734
CVS Health Corp. 2.700%, 08/21/2040	308,000	298,550
	398,000	445,390
	484,000	556,071
	480,000	623,460
CVS Pass-Through Trust 8.353%, 07/10/2031 (D)	888,134	1,164,115
DaVita, Inc. 3.750%, 02/15/2031 (D)	378,000	362,880
	367,000	377,357
Encompass Health Corp. 4.500%, 02/01/2028	175,000	181,557
	149,000	159,646

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Fresenius Medical Care US Finance III, Inc. 2.375%, 02/16/2031 (D)	\$ 634,000	\$ 618,540
HCA, Inc. 4.125%, 06/15/2029	318,000	358,092
	666,000	766,145
	800,000	902,400
Humana, Inc. 3.125%, 08/15/2029	500,000	538,208
MEDNAX, Inc. 6.250%, 01/15/2027 (D)	366,000	387,503
Organon Finance 1 LLC 5.125%, 04/30/2031 (D)	314,000	323,483
Pfizer, Inc. 2.625%, 04/01/2030	500,000	532,484
Rede D'or Finance Sarl 4.500%, 01/22/2030 (D)	513,000	525,825
Royalty Pharma PLC 1.750%, 09/02/2027 (D)	206,000	202,742
Select Medical Corp. 6.250%, 08/15/2026 (D)	299,000	318,441
Shire Acquisitions Investments Ireland DAC 3.200%, 09/23/2026	1,015,000	1,101,820
Stanford Health Care 3.310%, 08/15/2030	225,000	248,205
Teva Pharmaceutical Finance Company LLC 6.150%, 02/01/2036 (E)	49,000	53,900
UnitedHealth Group, Inc. 5.800%, 03/15/2036	540,000	760,167
Universal Health Services, Inc. 2.650%, 10/15/2030 (D)	358,000	359,980
	462,000	473,550
Utah Acquisition Sub, Inc. 3.950%, 06/15/2026	800,000	881,229
	250,000	304,472
Varex Imaging Corp. 7.875%, 10/15/2027 (D)	185,000	207,200
Viatis, Inc. 2.300%, 06/22/2027 (D)	209,000	213,335
	425,000	429,752
	464,000	490,693
Zimmer Biomet Holdings, Inc. 3.050%, 01/15/2026	500,000	538,422
	550,000	596,697
		25,988,528
Industrials – 5.6%		
3M Company 3.050%, 04/15/2030 (E)	500,000	548,924
Adani Ports & Special Economic Zone, Ltd. 3.100%, 02/02/2031 (D)	313,000	297,854
AECOM 5.125%, 03/15/2027	401,000	447,267
AerCap Ireland Capital DAC 1.750%, 01/30/2026	465,000	459,543
	423,000	442,356
Ahern Rentals, Inc. 7.375%, 05/15/2023 (D)	283,000	255,408
Air Canada 2013-1 Class A Pass Through Trust 4.125%, 05/15/2025 (D)	179,842	184,338

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Air Canada 2017-1 Class B Pass Through Trust 3.700%, 01/15/2026 (D)	\$ 196,376	\$ 190,740
Air Lease Corp. 2.875%, 01/15/2026	225,000	236,392
3.000%, 09/15/2023	400,000	418,128
3.125%, 12/01/2030	400,000	406,362
3.625%, 12/01/2027	215,000	230,931
Alaska Airlines 2020-1 Class B Pass Through Trust 8.000%, 08/15/2025 (D)	98,545	110,616
Alta Equipment Group, Inc. 5.625%, 04/15/2026 (D)	61,000	62,596
American Airlines 2015-1 Class A Pass Through Trust 3.375%, 05/01/2027	846,181	833,488
American Airlines 2015-1 Class B Pass Through Trust 3.700%, 05/01/2023	133,508	130,838
American Airlines 2016-1 Class A Pass Through Trust 4.100%, 01/15/2028	375,524	369,891
American Airlines 2017-1 Class A Pass Through Trust 4.000%, 02/15/2029	152,950	152,568
American Airlines 2017-1 Class AA Pass Through Trust 3.650%, 02/15/2029	301,875	313,950
American Airlines 2017-2 Class A Pass Through Trust 3.600%, 10/15/2029	167,526	163,757
American Airlines 2019-1 Class A Pass Through Trust 3.500%, 02/15/2032	378,344	365,102
American Airlines 2019-1 Class AA Pass Through Trust 3.150%, 02/15/2032	316,863	323,200
American Airlines Group, Inc. 3.750%, 03/01/2025 (D)(E)	500,000	460,625
APX Group, Inc. 7.625%, 09/01/2023	310,000	318,525
Ashtead Capital, Inc. 4.375%, 08/15/2027 (D)	285,000	298,538
Atkore, Inc. 4.250%, 06/01/2031 (D)	90,000	91,152
ATS Automation Tooling Systems, Inc. 4.125%, 12/15/2028 (D)	50,000	51,188
Beacon Roofing Supply, Inc. 4.125%, 05/15/2029 (D)	188,000	187,520
Boise Cascade Company 4.875%, 07/01/2030 (D)	52,000	55,253
British Airways 2013-1 Class A Pass Through Trust 4.625%, 06/20/2024 (D)	197,282	207,574
British Airways 2018-1 Class A Pass Through Trust 4.125%, 09/20/2031 (D)	166,941	168,039
British Airways 2020-1 Class A Pass Through Trust 4.250%, 11/15/2032 (D)	135,724	146,062
British Airways 2020-1 Class B Pass Through Trust 8.375%, 11/15/2028 (D)	108,769	125,740
Builders FirstSource, Inc. 5.000%, 03/01/2030 (D)	46,000	48,367

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Builders FirstSource, Inc. (continued) 6.750%, 06/01/2027 (D)	\$ 69,000	\$ 73,916
Carrier Global Corp. 2.700%, 02/15/2031	500,000	514,808
Cimpress PLC 7.000%, 06/15/2026 (D)	390,000	411,126
Clean Harbors, Inc. 4.875%, 07/15/2027 (D)	65,000	68,088
CNH Industrial Capital LLC 1.950%, 07/02/2023	570,000	584,313
Continental Airlines 2007-1 Class A Pass Through Trust 5.983%, 04/19/2022	77,160	78,711
CoStar Group, Inc. 2.800%, 07/15/2030 (D)	526,000	534,343
CSX Corp. 3.800%, 04/15/2050	1,000,000	1,139,036
DAE Funding LLC 2.625%, 03/20/2025 (D)	267,000	271,574
Delta Air Lines, Inc. 2.900%, 10/28/2024	663,000	674,547
3.800%, 04/19/2023	356,000	369,494
4.375%, 04/19/2028	445,000	466,134
4.500%, 10/20/2025 (D)	103,000	110,686
4.750%, 10/20/2028 (D)	169,000	187,887
Deluxe Corp. 8.000%, 06/01/2029 (D)	124,000	134,540
Equifax, Inc. 3.100%, 05/15/2030	800,000	859,105
Flowserve Corp. 3.500%, 10/01/2030	236,000	248,924
Fortive Corp. 3.150%, 06/15/2026	700,000	759,966
Garda World Security Corp. 6.000%, 06/01/2029 (D)	186,000	184,605
GATX Corp. 3.850%, 03/30/2027	800,000	881,686
General Electric Company 4.250%, 05/01/2040	528,000	617,020
5.550%, 01/05/2026	573,000	678,964
GFL Environmental, Inc. 3.500%, 09/01/2028 (D)	355,000	354,113
4.750%, 06/15/2029 (D)	154,000	159,898
Global Infrastructure Solutions, Inc. 5.625%, 06/01/2029 (D)	247,000	256,337
Graphic Packaging International LLC 3.500%, 03/01/2029 (D)	267,000	264,517
H&E Equipment Services, Inc. 3.875%, 12/15/2028 (D)	327,000	321,768
Hillenbrand, Inc. 3.750%, 03/01/2031	201,000	200,041
Howmet Aerospace, Inc. 5.125%, 10/01/2024	342,000	377,483
Huntington Ingalls Industries, Inc. 3.844%, 05/01/2025	557,000	606,975
4.200%, 05/01/2030	1,379,000	1,574,972
IDEX Corp. 3.000%, 05/01/2030	1,000,000	1,056,399
IHS Markit, Ltd. 4.000%, 03/01/2026 (D)	293,000	324,791
4.750%, 08/01/2028	213,000	251,148
JB Hunt Transport Services, Inc. 3.850%, 03/15/2024	700,000	750,200
JB Poindexter & Company, Inc. 7.125%, 04/15/2026 (D)	132,000	139,425

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
JetBlue 2019-1 Class AA Pass Through Trust 2.750%, 05/15/2032	\$ 285,467	\$ 293,149
Kansas City Southern 2.875%, 11/15/2029	500,000	526,051
Kratos Defense & Security Solutions, Inc. 6.500%, 11/30/2025 (D)	201,000	210,296
Legends Hospitality Holding Company LLC 5.000%, 02/01/2026 (D)	66,000	68,805
Lennox International, Inc. 3.000%, 11/15/2023	800,000	838,441
LSC Communications, Inc. 8.750%, 10/15/2023 (D)(G)	420,000	16,800
Masco Corp. 2.000%, 10/01/2030	412,000	401,753
MasTec, Inc. 4.500%, 08/15/2028 (D)	191,000	201,091
Owens Corning 3.950%, 08/15/2029	366,000	413,493
Picasso Finance Sub, Inc. 6.125%, 06/15/2025 (D)	30,000	31,718
Prime Security Services Borrower LLC 3.375%, 08/31/2027 (D)	62,000	60,140
Southwest Airlines Company 5.250%, 05/04/2025	800,000	912,780
Stericycle, Inc. 3.875%, 01/15/2029 (D)	78,000	77,846
The Boeing Company 3.200%, 03/01/2029	388,000	407,205
5.040%, 05/01/2027	570,000	657,682
5.150%, 05/01/2030	412,000	487,872
5.805%, 05/01/2050	720,000	969,574
TransDigm, Inc. 5.500%, 11/15/2027	688,000	717,240
TriNet Group, Inc. 3.500%, 03/01/2029 (D)	211,000	208,046
TTX Company 4.200%, 07/01/2046 (D)	700,000	830,542
Tutor Perini Corp. 6.875%, 05/01/2025 (D)(E)	195,000	200,606
Uber Technologies, Inc. 7.500%, 05/15/2025 to 09/15/2027 (D)	777,000	847,835
Union Pacific Corp. 4.163%, 07/15/2022	1,137,000	1,171,515
United Airlines 2014-2 Class A Pass Through Trust 3.750%, 09/03/2026	360,415	381,139
United Airlines 2014-2 Class B Pass Through Trust 4.625%, 09/03/2022	139,619	141,714
United Airlines 2016-1 Class A Pass Through Trust 3.450%, 07/07/2028	406,030	411,106
United Airlines 2016-1 Class B Pass Through Trust 3.650%, 01/07/2026	436,917	433,640
United Airlines 2018-1 Class B Pass Through Trust 4.600%, 03/01/2026	124,903	127,714
United Airlines 2019-1 Class A Pass Through Trust 4.550%, 08/25/2031	210,830	226,193

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
United Airlines 2020-1 Class A Pass Through Trust 5.875%, 10/15/2027	\$ 874,566	\$ 972,518
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	209,628	222,308
United Airlines, Inc. 4.375%, 04/15/2026 (D)	31,000	32,091
4.625%, 04/15/2029 (D)	70,000	72,450
United Rentals North America, Inc. 3.875%, 11/15/2027 to 02/15/2031	390,000	404,369
4.875%, 01/15/2028	373,000	395,567
US Airways 2010-1 Class A Pass Through Trust 6.250%, 04/22/2023	67,338	69,021
Verisk Analytics, Inc. 4.125%, 03/15/2029	400,000	453,706
Wabtec Corp. 3.200%, 06/15/2025	500,000	531,750
Watco Companies LLC 6.500%, 06/15/2027 (D)	52,000	55,640
Williams Scotsman International, Inc. 4.625%, 08/15/2028 (D)	72,000	74,354
XPO Logistics, Inc. 6.250%, 05/01/2025 (D)	40,000	42,550
		41,420,580
Information technology – 3.9%		
Atento Luxco 1 SA 8.000%, 02/10/2026 (D)	135,000	146,889
Autodesk, Inc. 2.850%, 01/15/2030	204,000	215,248
Broadcom Corp. 3.875%, 01/15/2027	379,000	418,787
Broadcom, Inc. 2.450%, 02/15/2031 (D)	1,000,000	982,695
3.419%, 04/15/2033 (D)	820,000	861,135
3.469%, 04/15/2034 (D)	421,000	445,315
4.700%, 04/15/2025	400,000	450,626
4.750%, 04/15/2029	1,594,000	1,854,232
5.000%, 04/15/2030	644,000	759,773
CDW LLC 3.250%, 02/15/2029	149,000	150,967
Clarivate Science Holdings Corp. 3.875%, 06/30/2028 (D)	96,000	96,875
4.875%, 06/30/2029 (D)	98,000	100,573
Crowdstrike Holdings, Inc. 3.000%, 02/15/2029	56,000	56,053
Dell International LLC 4.900%, 10/01/2026	532,000	613,973
5.300%, 10/01/2029	1,309,000	1,579,481
5.850%, 07/15/2025	195,000	228,777
8.350%, 07/15/2046	359,000	587,182
Fiserv, Inc. 2.250%, 06/01/2027	400,000	414,933
3.850%, 06/01/2025	614,000	675,495
Fortinet, Inc. 2.200%, 03/15/2031	1,000,000	997,315
Gartner, Inc. 3.625%, 06/15/2029 (D)	116,000	117,740
3.750%, 10/01/2030 (D)	72,000	73,664
4.500%, 07/01/2028 (D)	374,000	394,989
Infor, Inc. 1.750%, 07/15/2025 (D)	151,000	154,058
j2 Global, Inc. 4.625%, 10/15/2030 (D)	230,000	238,119

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Jabil, Inc. 3.600%, 01/15/2030	\$ 180,000	\$ 194,769
KLA Corp. 4.100%, 03/15/2029	340,000	392,498
Lam Research Corp. 4.875%, 03/15/2049	359,000	484,134
Marvell Technology, Inc. 2.450%, 04/15/2028 (D) 4.875%, 06/22/2028 (D)	520,000 465,000	529,989 537,540
Micron Technology, Inc. 4.185%, 02/15/2027 4.663%, 02/15/2030 4.975%, 02/06/2026 5.327%, 02/06/2029	1,038,000 1,000,000 225,000 1,673,000	1,170,842 1,162,350 258,611 2,020,764
Microsoft Corp. 2.525%, 06/01/2050	359,000	352,711
Motorola Solutions, Inc. 2.300%, 11/15/2030 2.750%, 05/24/2031 4.600%, 02/23/2028 to 05/23/2029	531,000 568,000 395,000	521,460 579,751 460,381
NVIDIA Corp. 2.850%, 04/01/2030	436,000	471,959
NXP BV 3.250%, 05/11/2041 (D) 3.875%, 06/18/2026 (D)	178,000 647,000	183,014 716,584
Oracle Corp. 2.950%, 04/01/2030	858,000	903,831
PayPal Holdings, Inc. 2.300%, 06/01/2030 2.850%, 10/01/2029	400,000 1,818,000	413,962 1,960,647
PTC, Inc. 4.000%, 02/15/2028 (D)	76,000	78,508
Qorvo, Inc. 3.375%, 04/01/2031 (D)	197,000	205,317
QUALCOMM, Inc. 1.650%, 05/20/2032	566,000	539,483
Sabre GBLB, Inc. 7.375%, 09/01/2025 (D)	209,000	227,288
Skyworks Solutions, Inc. 3.000%, 06/01/2031	126,000	128,786
Square, Inc. 2.750%, 06/01/2026 (D) 3.500%, 06/01/2031 (D)	92,000 126,000	93,610 127,103
Tempo Acquisition LLC 6.750%, 06/01/2025 (D)	136,000	138,296
VeriSign, Inc. 2.700%, 06/15/2031 5.250%, 04/01/2025	256,000 205,000	260,078 232,816
Visa, Inc. 2.050%, 04/15/2030 2.700%, 04/15/2040	400,000 221,000	411,000 228,454
Xerox Holdings Corp. 5.500%, 08/15/2028 (D)	332,000	344,945
		28,946,375
Materials – 1.9%		
Arcor Flexibles North America, Inc. 3.100%, 09/15/2026	500,000	506,119
Anglo American Capital PLC 4.750%, 04/10/2027 (D)	215,000	247,128
Arconic Corp. 6.000%, 05/15/2025 (D) 6.125%, 02/15/2028 (D)	117,000 168,000	124,695 180,217
Ardagh Packaging Finance PLC 6.000%, 02/15/2025 (D)	190,000	195,985

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Braskem Netherlands Finance BV 4.500%, 01/31/2030 (D)	\$ 249,000	\$ 259,438
Braskem Netherlands Finance BV (8.500% to 10-24-25, then 5 Year CMT + 8.220%) 01/23/2081 (D)	364,000	424,064
Cemex SAB de CV 3.875%, 07/11/2031 (D)(E) 5.200%, 09/17/2030 (D) 7.375%, 06/05/2027 (D)	250,000 329,000 250,000	254,125 361,768 282,200
CF Industries, Inc. 4.950%, 06/01/2043	175,000	206,866
Commercial Metals Company 5.375%, 07/15/2027	122,000	129,015
CSN Islands XI Corp. 6.750%, 01/28/2028 (D)	300,000	331,800
CVR Partners LP 6.125%, 06/15/2028 (D)	110,000	112,750
Cydsa SAB de CV 6.250%, 10/04/2027 (D)	350,000	368,813
First Quantum Minerals, Ltd. 6.875%, 03/01/2026 to 10/15/2027 (D) 7.500%, 04/01/2025 (D)	404,000 226,000	432,610 234,475
FMG Resources August 2006 Pty, Ltd. 4.375%, 04/01/2031 (D)	279,000	298,483
Freeport-McMoRan, Inc. 4.625%, 08/01/2030 5.450%, 03/15/2043	297,000 764,000	325,215 933,852
FS Luxembourg Sarl 10.000%, 12/15/2025 (D)	324,000	362,478
Georgia-Pacific LLC 2.300%, 04/30/2030 (D)	243,000	248,196
Graham Packaging Company, Inc. 7.125%, 08/15/2028 (D)	24,000	25,860
Hudbay Minerals, Inc. 4.500%, 04/01/2026 (D)	66,000	66,248
Huntsman International LLC 4.500%, 05/01/2029	500,000	568,473
International Flavors & Fragrances, Inc. 1.832%, 10/15/2027 (D)	153,000	152,565
JW Aluminum Continuous Cast Company 10.250%, 06/01/2026 (D)	135,000	141,750
Mauser Packaging Solutions Holding Company 8.500%, 04/15/2024 (D)	54,000	55,890
Methanex Corp. 4.250%, 12/01/2024 5.650%, 12/01/2044	293,000 450,000	310,382 465,534
Newmont Corp. 2.800%, 10/01/2029	223,000	234,946
Novelis Corp. 4.750%, 01/30/2030 (D)	410,000	430,500
Orbia Advance Corp. SAB de CV 5.500%, 01/15/2048 (D)	315,000	369,023
Owens-Brockway Glass Container, Inc. 6.625%, 05/13/2027 (D)	173,000	188,138
Reynolds Group Issuer, Inc. 4.000%, 10/15/2027 (D)	362,000	359,492
Sasol Financing USA LLC 5.500%, 03/18/2031	425,000	447,738
Standard Industries, Inc. 3.375%, 01/15/2031 (D) 5.000%, 02/15/2027 (D)	142,000 73,000	135,924 75,601
The Mosaic Company 4.250%, 11/15/2023	600,000	644,430

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
The Sherwin-Williams Company 4.200%, 01/15/2022	\$ 1,000,000	\$ 1,010,766
Trident TPI Holdings, Inc. 6.625%, 11/01/2025 (D)	35,000	35,875
Trinseo Materials Operating SCA 5.125%, 04/01/2029 (D)	211,000	215,748
Tronox, Inc. 4.625%, 03/15/2029 (D)	242,000	244,415
U.S. Concrete, Inc. 5.125%, 03/01/2029 (D)	128,000	139,840
Valvoline, Inc. 3.625%, 06/15/2031 (D)	298,000	298,000
Volcan Cia Minera SAA 4.375%, 02/11/2026 (D)	69,000	68,310
Vulcan Materials Company 3.500%, 06/01/2030	338,000	372,578
WR Grace & Company 4.875%, 06/15/2027 (D)	143,000	151,623
		14,029,941
Real estate – 3.1%		
American Homes 4 Rent LP 4.250%, 02/15/2028	470,000	527,569
American Tower Corp. 3.550%, 07/15/2027	662,000	727,215
3.800%, 08/15/2029	280,000	311,982
5.000%, 02/15/2024	670,000	743,060
Columbia Property Trust Operating Partnership LP 4.150%, 04/01/2025	600,000	646,044
Crown Castle International Corp. 2.250%, 01/15/2031	279,000	275,381
3.300%, 07/01/2030	532,000	569,928
3.650%, 09/01/2027	555,000	611,939
3.700%, 06/15/2026	500,000	549,830
3.800%, 02/15/2028	225,000	249,993
4.150%, 07/01/2050	508,000	580,000
CubeSmart LP 4.375%, 02/15/2029	600,000	686,184
CyrusOne LP 2.150%, 11/01/2030	190,000	180,256
3.450%, 11/15/2029	394,000	418,473
EPR Properties 4.950%, 04/15/2028	350,000	378,015
Equinix, Inc. 1.550%, 03/15/2028	444,000	435,965
1.800%, 07/15/2027	255,000	258,096
2.500%, 05/15/2031	693,000	704,801
2.900%, 11/18/2026	1,000,000	1,069,687
3.200%, 11/18/2029	609,000	653,216
ERP Operating LP 3.375%, 06/01/2025	300,000	324,369
Essex Portfolio LP 3.625%, 05/01/2027	500,000	551,969
GLP Capital LP 5.375%, 04/15/2026	382,000	439,686
Healthcare Trust of America Holdings LP 3.500%, 08/01/2026	500,000	549,218
3.750%, 07/01/2027	600,000	666,737
Host Hotels & Resorts LP 3.375%, 12/15/2029	505,000	529,304
3.500%, 09/15/2030	347,000	364,131
4.500%, 02/01/2026	214,000	235,083
Iron Mountain, Inc. 4.875%, 09/15/2029 (D)	195,000	201,279

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
Iron Mountain, Inc. (continued) 5.250%, 07/15/2030 (D)	\$ 261,000	\$ 276,289
MGM Growth Properties Operating Partnership LP 3.875%, 02/15/2029 (D)	207,000	210,223
Mid-America Apartments LP 3.950%, 03/15/2029	700,000	793,586
Piedmont Operating Partnership LP 4.450%, 03/15/2024	500,000	538,849
RHP Hotel Properties LP 4.500%, 02/15/2029 (D)	239,000	239,196
RLJ Lodging Trust LP 3.750%, 07/01/2026 (D)	149,000	150,490
SBA Communications Corp. 3.875%, 02/15/2027	353,000	362,497
4.875%, 09/01/2024	700,000	712,250
SBA Tower Trust 2.836%, 01/15/2025 (D)	416,000	436,412
SL Green Operating Partnership LP 3.250%, 10/15/2022	500,000	514,640
STORE Capital Corp. 2.750%, 11/18/2030	500,000	503,308
Uniti Group LP 6.500%, 02/15/2029 (D)	141,000	141,353
Ventas Realty LP 4.750%, 11/15/2030	1,000,000	1,189,383
VICI Properties LP 4.125%, 08/15/2030 (D)	212,000	217,686
4.625%, 12/01/2029 (D)	260,000	276,250
Weingarten Realty Investors 3.375%, 10/15/2022	1,050,000	1,079,864
Welltower, Inc. 2.700%, 02/15/2027	400,000	424,471
XHR LP 4.875%, 06/01/2029 (D)	107,000	110,478
		22,616,635
Utilities – 2.0%		
ABY Transmission Sur SA 6.875%, 04/30/2043 (D)	211,926	269,943
AES Panama Generation Holdings SRL 4.375%, 05/31/2030 (D)	303,000	316,682
Ameren Corp. 3.500%, 01/15/2031	1,000,000	1,094,931
AmeriGas Partners LP 5.500%, 05/20/2025	275,000	301,813
Arizona Public Service Company 5.500%, 09/01/2035	1,118,000	1,455,474
CenterPoint Energy Houston Electric LLC 6.950%, 03/15/2033	535,000	756,713
Consolidated Edison Company of New York, Inc. 3.350%, 04/01/2030	500,000	549,490
3.950%, 04/01/2050	500,000	567,690
Dominion Energy, Inc. 3.375%, 04/01/2030	662,000	720,859
3.600%, 03/15/2027	500,000	553,232
DPL, Inc. 4.125%, 07/01/2025	216,000	231,660
Edison International 3.550%, 11/15/2024	700,000	744,000
Emera US Finance LP 3.550%, 06/15/2026	248,000	270,866
FirstEnergy Corp. 2.650%, 03/01/2030	254,000	252,976

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Infraestructura Energetica Nova SAB de CV 4.750%, 01/15/2051 (D)	\$ 519,000	\$ 525,488
Instituto Costarricense de Electricidad 6.375%, 05/15/2043 (D)(E)	210,000	184,275
Israel Electric Corp., Ltd. 6.875%, 06/21/2023 (D)	95,000	105,885
NextEra Energy Capital Holdings, Inc. 3.550%, 05/01/2027	677,000	747,478
NextEra Energy Operating Partners LP 3.875%, 10/15/2026 (D)	243,000	256,669
4.500%, 09/15/2027 (D)	201,000	217,512
NiSource, Inc. 3.600%, 05/01/2030	208,000	230,299
NRG Energy, Inc. 2.450%, 12/02/2027 (D)	374,000	376,405
3.375%, 02/15/2029 (D)	62,000	60,684
3.625%, 02/15/2031 (D)	175,000	171,973
4.450%, 06/15/2029 (D)	257,000	283,671
Oncor Electric Delivery Company LLC 4.100%, 06/01/2022	750,000	768,469
Southern California Edison Company 3.700%, 08/01/2025	1,000,000	1,089,198
Suburban Propane Partners LP 5.000%, 06/01/2031 (D)	176,000	180,180
Vistra Operations Company LLC 3.700%, 01/30/2027 (D)	623,000	665,620
4.300%, 07/15/2029 (D)	545,000	592,371
		14,542,506
TOTAL CORPORATE BONDS (Cost \$326,819,534)		\$ 356,011,730
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)(F)	425,000	430,313
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 08/02/2021 (B)(F)	1,045,000	1,034,550
		1,464,863
TOTAL CAPITAL PREFERRED SECURITIES (Cost \$1,389,217)		\$ 1,464,863
MUNICIPAL BONDS – 0.6%		
Foothill-Eastern Transportation Corridor Agency (California) 4.094%, 01/15/2049	1,000,000	1,058,630
New Jersey Transportation Trust Fund Authority 4.081%, 06/15/2039	393,000	443,462
4.131%, 06/15/2042	40,000	45,541
Sales Tax Securitization Corp. (Illinois) 4.637%, 01/01/2040	465,000	567,982
State Board of Administration Finance Corp. (Florida) 1.705%, 07/01/2027	586,000	595,485
State of Connecticut, GO 2.677%, 07/01/2030	250,000	269,502
The School District of Philadelphia (Pennsylvania), GO 5.995%, 09/01/2030	315,000	399,713
6.765%, 06/01/2040	1,010,000	1,409,593
TOTAL MUNICIPAL BONDS (Cost \$4,392,167)		\$ 4,789,908

Active Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (I) – 0.0%		
Information technology – 0.0%		
CoreLogic, Inc., Term Loan (1 month LIBOR + 3.500%) 4.000%, 06/02/2028	\$ 305,000	\$ 303,933
TOTAL TERM LOANS (Cost \$303,482)		\$ 303,933
COLLATERALIZED MORTGAGE OBLIGATIONS – 7.5%		
Commercial and residential – 5.4%		
Angel Oak Mortgage Trust LLC Series 2021-2, Class A1 0.985%, 04/25/2066 (D)(J)	252,053	251,795
AOA Mortgage Trust Series 2015-1177, Class C 3.110%, 12/13/2029 (D)(J)	120,000	119,968
Arbor Multifamily Mortgage Securities Trust Series 2020-MF1, Class XA IO 1.086%, 05/15/2053 (D)	4,346,727	309,231
Arroyo Mortgage Trust Series 2018-1, Class A1, 3.763%, 04/25/2048 (D)(J)	1,452	1,452
Series 2021-1R, Class A1, 1.175%, 10/25/2048 (D)(J)	379,000	379,467
BAMLL Commercial Mortgage Securities Trust Series 2019-BPR, Class ENM 3.843%, 11/05/2032 (D)(J)	231,000	201,055
BAMLL Re-REMIC Trust Series 2014-FRR4, Class BK23 2.503%, 09/27/2022 (D)(K)	500,000	484,652
BANK		
Series 2019-BN20, Class ASB, 2.933%, 09/15/2062	400,000	430,718
Series 2021-BN34, Class XA IO, 0.980%, 06/15/2063	12,781,840	1,003,971
Bayview Commercial Asset Trust Series 2005-4A, Class A2 (1 month LIBOR + 0.585%) 0.677%, 01/25/2036 (B)(D)	127,991	123,447
BBCMS Mortgage Trust Series 2020-C6, Class A2 2.690%, 02/15/2053	206,000	214,370
BBCMS Trust		
Series 2015-MSQ, Class D, 4.123%, 09/15/2032 (D)(J)	140,000	142,615
Series 2015-SRCH, Class D, 5.122%, 08/10/2035 (D)(J)	264,000	295,416
Bear Stearns Asset Backed Securities Trust Series 2003-AC4, Class A 5.500%, 09/25/2033	346,834	355,628
Benchmark Mortgage Trust Series 2019-B12, Class A2, 3.001%, 08/15/2052	410,000	429,584
Series 2019-B15, Class XA IO, 0.943%, 12/15/2072	9,933,462	546,376
Bravo Residential Funding Trust Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (D)(J)	245,848	245,287
BWAY Mortgage Trust Series 2015-1740, Class XA IO 1.023%, 01/10/2035 (D)	3,705,000	17,941
BX Commercial Mortgage Trust Series 2018-BIOA, Class D (1 month LIBOR + 1.321%), 1.394%, 03/15/2037 (B)(D)	341,000	341,420

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
BX Commercial		
Mortgage Trust (continued)		
Series 2020-VKNG, Class A (1 month LIBOR + 0.930%), 1.003%, 10/15/2037 (B)(D)	\$ 452,000	\$ 452,568
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class D (1 month LIBOR + 1.750%), 1.823%, 12/15/2037 (B)(D)	121,000	121,188
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%), 2.623%, 12/15/2037 (B)(D)	186,000	186,463
CD Mortgage Trust		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	800,000	884,171
CFCRE Commercial Mortgage Trust		
Series 2017-C8, Class C 5.109%, 06/15/2050 (J)	500,000	537,905
CHL Mortgage Pass-Through Trust		
Series 2004-HYB2, Class 4A 2.424%, 07/20/2034 (J)	482,146	488,241
Citigroup Commercial Mortgage Trust		
Series 2018-C5, Class A3, 3.963%, 06/10/2051	556,620	605,956
Series 2018-C5, Class XA IO, 0.693%, 06/10/2051	15,348,948	590,322
Series 2019-C7, Class XA IO, 1.003%, 12/15/2072	15,915,700	988,008
Series 2019-PRM, Class A, 3.341%, 05/10/2036 (D)	257,000	272,824
Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (D)	157,000	168,593
Cold Storage Trust		
Series 2020-ICE5, Class D (1 month LIBOR + 2.100%) 2.173%, 11/15/2037 (B)(D)	491,495	493,344
COLT Trust		
Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (D)(J)	667,899	671,994
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	1,462,137
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2012-CR2, Class XA IO, 1.776%, 08/15/2045	8,972,232	87,797
Series 2012-CR3, Class XA IO, 1.997%, 10/15/2045	8,947,459	131,966
Series 2013-CR8, Class A5, 3.612%, 06/10/2046 (J)	330,000	346,824
Series 2013-CR8, Class AM, 3.925%, 06/10/2046 (D)(J)	1,000,000	1,051,276
Series 2014-CR15, Class C, 4.865%, 02/10/2047 (J)	800,000	860,611
Series 2014-CR15, Class XA IO, 0.864%, 02/10/2047	5,135,442	88,754
Series 2014-CR16, Class C, 5.090%, 04/10/2047 (J)	400,000	422,407
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	1,092,616

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Commercial Mortgage Trust		
(Citigroup/Deutsche Bank AG) Series 2018-COR3, Class XA IO 0.582%, 05/10/2051	\$ 5,021,625	\$ 139,340
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2012-LC4, Class XA IO, 2.278%, 12/10/2044 (D)	3,700,804	11,571
Series 2013-300P, Class D, 4.540%, 08/10/2030 (D)(J)	307,000	317,856
Series 2013-300P, Class E, 4.540%, 08/10/2030 (D)(J)	700,000	708,216
Series 2017-PANW, Class A, 3.244%, 10/10/2029 (D)	89,000	92,573
Series 2020-CBM, Class A2, 2.896%, 02/10/2037 (D)	279,000	283,849
Commercial Mortgage Trust (Deutsche Bank AG/UBS AG)		
Series 2014-UBS2, Class XA IO 1.290%, 03/10/2047	3,538,713	87,570
Credit Suisse Mortgage Capital Certificates		
Series 2019-AFC1, Class A1, 2.573%, 07/25/2049 (D)	209,174	211,793
Series 2019-ICE4, Class D (1 month LIBOR + 1.600%), 1.673%, 05/15/2036 (B)(D)	460,000	460,721
Series 2020-AFC1, Class A1, 2.240%, 02/25/2050 (D)(J)	248,018	250,924
Series 2020-NET, Class A, 2.257%, 08/15/2037 (D)	106,000	109,431
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (D)(J)	391,559	391,641
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (D)(J)	312,600	312,086
CSAIL Commercial Mortgage Trust		
Series 2019-C17, Class A4, 2.763%, 09/15/2052	425,000	446,300
Series 2019-C18, Class E, 2.500%, 12/15/2052 (D)	265,000	232,848
DSL A Mortgage Loan Trust		
Series 2004-AR3, Class 2A2B (1 month LIBOR + 0.900%) 0.993%, 07/19/2044 (B)	400,919	381,401
Ellington Financial Mortgage Trust		
Series 2021-1, Class A1, 0.797%, 02/25/2066 (D)(J)	218,244	217,617
Series 2021-2, Class A1, 0.931%, 06/25/2066 (D)(J)	333,414	332,629
Flagstar Mortgage Trust		
Series 2021-1, Class A2 2.500%, 02/01/2051 (D)(J)	612,579	621,567
FREM F Mortgage Trust		
Series 2016-K54, Class C, 4.189%, 04/25/2048 (D)(J)	290,000	311,298
Series 2017-K67, Class B, 4.079%, 09/25/2049 (D)(J)	485,000	538,161
Series 2019-KF69, Class B (1 month LIBOR + 2.300%), 2.386%, 08/25/2029 (B)(D)	349,212	349,704
GCAT Trust		
Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (D)(J)	386,545	384,992

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GCAT Trust (continued)		
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (D)(J)	\$ 259,000	\$ 258,467
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (D)(J)	427,000	427,339
GS Mortgage Securities Trust		
Series 2005-GG4, Class XC IO, 1.834%, 07/10/2039 (D)	356,737	119
Series 2013-GC10, Class C, 4.285%, 02/10/2046 (D)(J)	859,800	886,880
Series 2015-590M, Class C, 3.932%, 10/10/2035 (D)(J)	150,000	155,663
Series 2017-485L, Class C, 4.115%, 02/10/2037 (D)(J)	85,000	88,273
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (D)	256,000	268,454
GS Mortgage-Backed Securities Corp. Trust		
Series 2021-NQM1, Class A1 1.017%, 07/25/2061 (D)(J)	240,973	240,785
HarborView Mortgage Loan Trust		
Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (D)	9,989,539	104,314
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	10,714,200	143,013
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (D)	10,067,672	142,684
Hilton Orlando Trust		
Series 2018-ORL, Class B (1 month LIBOR + 1.200%)	1,000,000	1,000,596
Imperial Fund Mortgage Trust		
Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (D)(J)	248,550	248,311
IMT Trust		
Series 2017-APTS, Class AFX, 3.478%, 06/15/2034 (D)	107,000	113,500
Series 2017-APTS, Class CFX, 3.613%, 06/15/2034 (D)(J)	123,000	128,512
Irvine Core Office Trust		
Series 2013-IRV, Class A2, 3.279%, 05/15/2048 (D)(J)	255,000	266,214
Series 2013-IRV, Class XA IO, 1.211%, 05/15/2048 (D)	4,818,156	49,542
JPMBB Commercial Mortgage Securities Trust		
Series 2013-C14, Class XA IO 0.565%, 08/15/2046	4,590,544	33,465
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2006-LDP8, Class X IO, 0.297%, 05/15/2045	197,955	2
Series 2012-HSBC, Class XA IO, 1.582%, 07/05/2032 (D)	9,759,212	107,311
Series 2020-NNN, Class AFX, 2.812%, 01/16/2037 (D)	258,000	265,920
KNDL Mortgage Trust		
Series 2019-KNSQ, Class D (1 month LIBOR + 1.350%)	187,000	187,057

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Life Mortgage Trust		
Series 2021-BMR, Class A (1 month LIBOR + 0.700%), 0.773%, 03/15/2038 (B)(D)	\$ 346,000	\$ 346,416
Series 2021-BMR, Class D (1 month LIBOR + 1.400%), 1.473%, 03/15/2038 (B)(D)	270,000	271,029
Series 2021-BMR, Class E (1 month LIBOR + 1.750%), 1.823%, 03/15/2038 (B)(D)	1,000,000	1,003,111
MASTR Adjustable Rate Mortgages Trust		
Series 2004-13, Class 2A1, 2.701%, 04/21/2034 (J)	83,769	83,948
Series 2004-8, Class 5A1, 2.655%, 08/25/2034 (J)	90,005	90,208
MASTR Alternative Loan Trust		
Series 2004-4, Class 8A1 6.500%, 05/25/2034	203,743	211,744
Merrill Lynch Mortgage Investors Trust		
Series 2005-A, Class A1 (1 month LIBOR + 0.460%)	18,160	18,135
0.552%, 03/25/2030 (B)		
Merrill Lynch Mortgage Trust		
Series 2008-C1, Class X IO 0.000%, 02/12/2051 (D)	2,715,955	27
MFA Trust		
Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (D)(J)	243,180	243,358
Series 2021-NQM1, Class A1, 1.153%, 04/25/2065 (D)(J)	328,148	327,626
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2012-C5, Class XA IO, 1.539%, 08/15/2045 (D)	9,141,919	81,324
Series 2012-C6, Class XA IO, 1.752%, 11/15/2045 (D)	5,528,485	65,600
Series 2013-C7, Class XA IO, 1.459%, 02/15/2046	10,290,944	162,809
Series 2014-C17, Class XA IO, 1.228%, 08/15/2047	10,291,348	227,984
Morgan Stanley Capital I Trust		
Series 2011-C3, Class XA IO, 0.000%, 07/15/2049 (D)	790,392	8
Series 2017-CLS, Class D (1 month LIBOR + 1.400%), 1.473%, 11/15/2034 (B)(D)	298,000	298,094
Series 2019-L3, Class XA IO, 0.764%, 11/15/2052	21,441,544	1,022,449
Natixis Commercial Mortgage Securities Trust		
Series 2018-285M, Class D, 3.917%, 11/15/2032 (D)(J)	135,000	136,892
Series 2018-ALXA, Class C, 4.460%, 01/15/2043 (D)(J)	98,000	104,104
OBX Trust		
Series 2020-EXP2, Class A3 2.500%, 05/25/2060 (D)(J)	248,728	252,673
One Market Plaza Trust		
Series 2017-1MKT, Class D 4.146%, 02/10/2032 (D)	90,000	91,132

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Onslow Bay Mortgage Loan Trust Series 2021-NQM2, Class A1 1.101%, 05/25/2061 (D)(J)	\$ 444,000	\$ 443,936
Provident Funding Mortgage Trust Series 2020-F1, Class A2 2.000%, 01/25/2036 (D)(J)	577,207	588,136
Sequoia Mortgage Trust Series 2005-3, Class A1 (1 month LIBOR + 0.400%) 0.493%, 05/20/2035 (B)	39,949	41,085
SLG Office Trust Series 2021-OVA, Class D 2.851%, 07/15/2041 (D)	352,000	355,106
Starwood Mortgage Residential Trust Series 2020-3, Class A1 1.486%, 04/25/2065 (D)(J)	200,811	202,565
Structured Asset Securities Corp. Series 1998-RF2, Class A 4.739%, 07/15/2027 (D)(J)	41,831	41,585
UBS-Barclays Commercial Mortgage Trust Series 2012-C2, Class XA IO 1.436%, 05/10/2063 (D)	5,777,489	52,836
Velocity Commercial Capital Loan Trust Series 2018-2, Class M1 4.260%, 10/26/2048 (D)(J)	310,032	324,528
Verus Securitization Trust Series 2020-5, Class A1, 1.218%, 05/25/2065 (D)	182,642	183,111
Series 2021-3, Class A1, 1.046%, 06/25/2066 (D)(J)	461,000	460,978
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (D)(J)	356,244	355,937
WaMu Mortgage Pass Through Certificates Series 2005-AR2, Class 2A1B (1 month LIBOR + 0.740%), 0.832%, 01/25/2045 (B)	397,895	397,121
Series 2005-AR8, Class 2AB3 (1 month LIBOR + 0.720%), 0.812%, 07/25/2045 (B)	280,390	277,019
Washington Mutual Mortgage Pass Through Certificates Series 2005-1, Class 6A1 6.500%, 03/25/2035	201,586	200,854
Wells Fargo Commercial Mortgage Trust Series 2019-C54, Class A3 2.892%, 12/15/2052	500,000	529,533
WF-RBS Commercial Mortgage Trust Series 2012-C10, Class XA IO, 1.662%, 12/15/2045 (D)	5,700,133	103,528
Series 2012-C9, Class XA IO, 2.025%, 11/15/2045 (D)	6,668,578	109,921
		39,917,317
U.S. Government Agency – 2.1%		
Federal Home Loan Mortgage Corp.		
Series 290, Class IO, 3.500%, 11/15/2032	1,086,312	125,241
Series 3387, Class SB IO, 6.347%, 11/15/2037	984,592	165,831
Series 3632, Class AP, 3.000%, 02/15/2040	688,945	726,922

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 K015, Class X1 IO, 1.698%, 07/25/2021	\$ 2,322,789	\$ 93
Series K018, Class X1 IO, 1.367%, 01/25/2022	2,759,246	6,199
Series K021, Class A2, 2.396%, 06/25/2022	987,915	1,002,511
Series K021, Class X1 IO, 1.526%, 06/25/2022	10,949,905	84,093
Series K022, Class X1 IO, 1.296%, 07/25/2022	2,370,979	18,736
Series K026, Class X1 IO, 1.069%, 11/25/2022	9,769,794	108,937
Series KS01, Class X1 IO, 1.245%, 01/25/2023	4,462,991	40,807
Series T-41, Class 3A, 5.051%, 07/25/2032 (J)	47,457	53,117
Federal National Mortgage Association		
Series 2001-50, Class BA, 7.000%, 10/25/2041	6,089	6,968
Series 2002-W3, Class A5, 7.500%, 11/25/2041	54,980	66,695
Series 2010-15, Class KA, 4.000%, 03/25/2039	45,440	45,862
Series 2011-41, Class KA, 4.000%, 01/25/2041	169,694	178,271
Series 2011-86, Class NA, 4.000%, 01/25/2041	148,154	150,879
Series 2012-137, Class WI IO, 3.500%, 12/25/2032	1,091,921	128,377
Series 2012-21, Class PA, 2.000%, 03/25/2041	1,312,945	1,349,281
Series 2012-38, Class PA, 2.000%, 09/25/2041	597,920	614,053
Series 2012-M5, Class X IO, 0.746%, 02/25/2022	909,795	254
Series 2015-C01, Class 1M2 (1 month LIBOR + 4.300%), 4.392%, 02/25/2025 (B)	118,770	121,567
Series 2015-C02, Class 2M2 (1 month LIBOR + 4.000%), 4.092%, 05/25/2025 (B)	13,244	13,408
Series 2015-C03, Class 2M2 (1 month LIBOR + 5.000%), 5.092%, 07/25/2025 (B)	57,730	58,491
Series 2016-M1, Class X2 IO, 0.170%, 01/25/2026	43,658,502	390,150
Series 2016-M12, Class X2 IO, 0.064%, 09/25/2026	33,213,583	347,942
Series 2018-C02, Class 2M2 (1 month LIBOR + 2.200%), 2.292%, 08/25/2030 (B)	64,280	64,975
Series 2018-C05, Class 1M2 (1 month LIBOR + 2.350%), 2.442%, 01/25/2031 (B)	38,754	39,219
Series 2019-M12, Class X IO, 0.703%, 06/25/2029	4,627	237
Series 2019-M7, Class X IO, 0.463%, 04/25/2029	\$ 14,867,938	518,907
Series 2020-R02, Class 2M2 (1 month LIBOR + 2.000%), 2.092%, 01/25/2040 (B)(D)	436,307	438,230

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2021-31, Class IE IO, 5.802%, 03/25/2050	\$ 2,594,000	\$ 379,536
Series 2021-M8, Class X IO, 0.587%, 11/25/2035	12,375,372	519,703
Government National		
Mortgage Association		
Series 2008-90, Class IO, 1.946%, 12/16/2050	2,085,542	314,388
Series 2010-147, Class SA IO, 6.077%, 05/20/2040	688,350	53,401
Series 2010-85, Class SB IO, 6.525%, 03/16/2040	985,604	145,448
Series 2012-114, Class IO, 0.672%, 01/16/2053	455,390	10,695
Series 2012-120, Class IO, 0.692%, 02/16/2053	5,454,681	127,158
Series 2012-70, Class IO, 0.105%, 08/16/2052	2,239,249	7,799
Series 2015-41, Class IO, 0.416%, 09/16/2056	4,647,992	118,776
Series 2016-162, Class IO, 0.829%, 09/16/2058	6,467,765	348,880
Series 2016-174, Class IO, 0.852%, 11/16/2056	623,469	34,089
Series 2017-109, Class IO, 0.506%, 04/16/2057	1,390,835	49,959
Series 2017-124, Class IO, 0.674%, 01/16/2059	1,424,645	68,879
Series 2017-135, Class IO, 0.768%, 10/16/2058	1,168,479	58,634
Series 2017-140, Class IO, 0.547%, 02/16/2059	438,283	19,341
Series 2017-159, Class IO, 0.482%, 06/16/2059	815,297	35,774
Series 2017-169, Class IO, 0.602%, 01/16/2060	2,384,101	115,144
Series 2017-20, Class IO, 0.699%, 12/16/2058	2,876,178	127,618
Series 2017-22, Class IO, 0.759%, 12/16/2057	326,954	18,496
Series 2017-23, Class IO, 0.624%, 05/16/2059	8,777,145	412,759
Series 2017-41, Class IO, 0.683%, 07/16/2058	1,374,335	62,619
Series 2017-46, Class IO, 0.640%, 11/16/2057	969,419	45,293
Series 2017-50, Class IO, 0.718%, 01/16/2057	14,643,726	731,009
Series 2017-61, Class IO, 0.735%, 05/16/2059	549,275	28,768
Series 2018-158, Class IO, 0.745%, 05/16/2061	2,070,329	137,361
Series 2018-35, Class IO, 0.539%, 03/16/2060	2,173,706	95,469
Series 2018-43, Class IO, 0.540%, 05/16/2060	2,021,775	99,815
Series 2018-69, Class IO, 0.573%, 04/16/2060	593,080	35,442
Series 2018-81, Class IO, 0.469%, 01/16/2060	395,212	18,127
Series 2018-85, Class IO, 0.493%, 07/16/2060	8,034,310	453,619

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2018-9, Class IO, 0.510%, 01/16/2060	\$ 2,490,272	\$ 119,136
Series 2019-131, Class IO, 0.898%, 07/16/2061	1,768,482	121,573
Series 2020-100, Class IO, 0.868%, 05/16/2062	1,701,719	132,919
Series 2020-108, Class IO, 0.911%, 06/16/2062	3,901,232	306,670
Series 2020-114, Class IO, 0.924%, 09/16/2062	4,436,559	362,813
Series 2020-118, Class IO, 0.974%, 06/16/2062	3,113,830	260,421
Series 2020-119, Class IO, 0.799%, 08/16/2062	1,832,560	136,854
Series 2020-120, Class IO, 0.851%, 05/16/2062	880,646	70,291
Series 2020-137, Class IO, 0.843%, 09/16/2062	4,230,044	322,509
Series 2020-143, Class IB IO, 0.895%, 03/16/2062	5,461,556	418,446
Series 2020-150, Class IO, 0.983%, 12/16/2062	2,583,018	220,236
Series 2020-170, Class IO, 0.887%, 11/16/2062	3,590,655	295,325
Series 2020-28, Class IO, 0.864%, 11/16/2061	5,919,681	452,546
Series 2020-92, Class IO, 1.003%, 02/16/2062	3,919,278	326,970
Series 2021-3, Class IO, 0.919%, 09/16/2062	4,249,944	355,604
Series 2021-40, Class IO, 0.843%, 02/16/2063	1,005,573	80,252
		15,522,817
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		
(Cost \$58,789,683)		\$ 55,440,134
ASSET BACKED SECURITIES – 6.3%		
Aegis Asset Backed Securities Trust		
Series 2004-3, Class M1 (1 month LIBOR + 0.900%)		
0.992%, 09/25/2034 (B)	601,823	602,295
Amresco Residential Securities Corp.		
Mortgage Loan Trust		
Series 1998-1, Class A6 6.510%, 08/25/2027 (J)	5	5
AMSR Trust		
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (D)	602,000	599,979
Applebee's Funding LLC		
Series 2019-1A, Class A2I 4.194%, 06/07/2049 (D)	530,988	544,225
Series 2019-1A, Class A2II 4.723%, 06/07/2049 (D)	496,250	524,298
Arby's Funding LLC		
Series 2020-1A, Class A2 3.237%, 07/30/2050 (D)	507,168	529,914
ARL First LLC		
Series 2012-1A, Class A2 3.810%, 12/15/2042 (D)	900,000	924,708

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Avis Budget Rental Car Funding AESOP LLC Series 2019-3A, Class A 2.360%, 03/20/2026 (D)	\$ 473,000	\$ 494,890
Series 2020-1A, Class A 2.330%, 08/20/2026 (D)	333,000	347,032
Bojangles Issuer LLC Series 2020-1A, Class A2 3.832%, 10/20/2050 (D)	264,000	275,268
BRE Grand Islander Timeshare Issuer LLC Series 2019-A, Class A 3.280%, 09/26/2033 (D)	119,470	125,270
Capital One Multi-Asset Execution Trust Series 2016-A7, Class A7 (1 month LIBOR + 0.510%) 0.583%, 09/16/2024 (B)	3,123,000	3,129,254
CARS-DB4 LP Series 2020-1A, Class A4 3.190%, 02/15/2050 (D)	998,333	1,027,830
Series 2020-1A, Class B1 4.170%, 02/15/2050 (D)	381,000	393,285
Centex Home Equity Loan Trust Series 2005-A, Class M4 (1 month LIBOR + 1.200%) 1.292%, 01/25/2035 (B)	156,736	152,044
CF Hippolyta LLC Series 2020-1, Class A1 1.690%, 07/15/2060 (D)	450,467	457,736
Series 2021-1A, Class A1 1.530%, 03/15/2061 (D)	484,000	487,233
Citibank Credit Card Issuance Trust Series 2017-A6, Class A6 (1 month LIBOR + 0.770%) 0.843%, 05/14/2029 (B)	565,000	577,271
Series 2017-A7, Class A7 (1 month LIBOR + 0.370%) 0.451%, 08/08/2024 (B)	3,000,000	3,011,239
CLI Funding VI LLC Series 2020-1A, Class A 2.080%, 09/18/2045 (D)	656,055	660,997
CLI Funding VIII LLC Series 2021-1A, Class A 1.640%, 02/18/2046 (D)	541,453	536,720
Conseco Finance Corp. Series 1996-10, Class M1 7.240%, 11/15/2028 (J)	54,108	55,148
ContiMortgage Home Equity Loan Trust Series 1995-2, Class A5 8.100%, 08/15/2025	5,808	5,650
CoreVest American Finance Trust Series 2019-3, Class A 2.705%, 10/15/2052 (D)	82,027	85,839
Credit-Based Asset Servicing & Securitization LLC Series 2006-MH1, Class B1 6.250%, 10/25/2036 (D)	2,560,000	2,631,155
CWABS Asset-Backed Certificates Trust Series 2004-10, Class AF5B 4.375%, 02/25/2035	12,319	12,294
DataBank Issuer Series 2021-1A, Class A2 2.060%, 02/27/2051 (D)	225,000	227,924
DB Master Finance LLC Series 2017-1A, Class A2I 3.629%, 11/20/2047 (D)	208,013	210,567

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
DB Master Finance LLC (continued) Series 2017-1A, Class A2II 4.030%, 11/20/2047 (D)	\$ 192,533	\$ 205,076
Series 2019-1A, Class A2I 3.787%, 05/20/2049 (D)	879,338	890,743
Diamond Infrastructure Funding LLC Series 2021-1A, Class B 2.355%, 04/15/2049 (D)	1,000,000	997,802
Series 2021-1A, Class C 3.475%, 04/15/2049 (D)	104,000	103,565
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (D)	599,850	647,262
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (D)	1,323,000	1,368,895
Driven Brands Funding LLC Series 2020-2A, Class A2 3.237%, 01/20/2051 (D)	360,098	370,303
FirstKey Homes Trust Series 2020-SFR1, Class A 1.339%, 09/17/2025 (D)	592,314	592,369
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (D)	704,442	703,307
Series 2021-SFR1, Class A 1.538%, 08/17/2028 (D)	527,000	526,997
Series 2021-SFR1, Class D 2.189%, 08/17/2028 (D)	346,000	345,994
Five Guys Funding LLC Series 2017-1A, Class A2 4.600%, 07/25/2047 (D)	672,915	702,842
FOCUS Brands Funding LLC Series 2017-1A, Class A2IB 3.857%, 04/30/2047 (D)	150,982	153,148
Ford Credit Auto Owner Trust Series 2020-1, Class A 2.040%, 08/15/2031 (D)	608,000	631,048
Ford Credit Floorplan Master Owner Trust Series 2020-2, Class A 1.060%, 09/15/2027	561,000	561,401
GM Financial Automobile Leasing Trust Series 2021-2, Class A4 0.410%, 05/20/2025	125,000	124,829
Golub Capital Partners Funding, Ltd. Series 2020-1A, Class A2 3.208%, 01/22/2029 (D)	394,000	394,070
Series 2021-1A, Class A2 2.773%, 04/20/2029 (D)	290,000	292,406
Hilton Grand Vacations Trust Series 2017-AA, Class A 2.660%, 12/26/2028 (D)	197,355	202,054
Series 2018-AA, Class A 3.540%, 02/25/2032 (D)	128,432	135,054
Honda Auto Receivables Owner Trust Series 2021-2, Class A4 0.550%, 08/16/2027	247,000	246,296
Jack in the Box Funding LLC Series 2019-1A, Class A23 4.970%, 08/25/2049 (D)	264,998	291,916
Series 2019-1A, Class A2I 3.982%, 08/25/2049 (D)	228,275	233,571
Laurel Road Prime Student Loan Trust Series 2019-A, Class A2FX 2.730%, 10/25/2048 (D)	68,725	70,012
Mill City Mortgage Loan Trust Series 2018-3, Class A1 3.472%, 08/25/2058 (D)(J)	101,123	105,193

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
MVW Owner Trust		
Series 2018-1A, Class A 3.450%, 01/21/2036 (D)	\$ 155,190	\$ 160,742
Navient Private Education Loan Trust		
Series 2016-AA, Class A2A 3.910%, 12/15/2045 (D)	116,086	122,538
Navient Private Education Refi Loan Trust		
Series 2019-FA, Class A2 2.600%, 08/15/2068 (D)	304,963	310,839
Navient Student Loan Trust		
Series 2020-2A, Class A1A 1.320%, 08/26/2069 (D)	400,536	397,054
Neighborly Issuer LLC		
Series 2021-1A, Class A2 3.584%, 04/30/2051 (D)	598,000	615,025
NRZ Excess Spread-Collateralized Notes		
Series 2018-FNT1, Class A 3.610%, 05/25/2023 (D)	65,296	65,417
Series 2018-FNT2, Class A 3.790%, 07/25/2054 (D)	61,351	61,371
Option One Mortgage Loan Trust		
Series 2004-1, Class M1 (1 month LIBOR + 0.900%) 0.992%, 01/25/2034 (B)	230,063	229,194
Oxford Finance Funding LLC		
Series 2019-1A, Class A2 4.459%, 02/15/2027 (D)	229,362	236,569
Progress Residential Trust		
Series 2020-SFR1, Class A 1.732%, 04/17/2037 (D)	359,000	364,313
Renaissance Home Equity Loan Trust		
Series 2005-2, Class AF4 4.934%, 08/25/2035	91,869	94,940
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (D)	611,000	643,813
Sesac Finance LLC		
Series 2019-1, Class A2 5.216%, 07/25/2049 (D)	474,548	506,333
Sierra Timeshare Receivables Funding LLC		
Series 2019-1A, Class A 3.200%, 01/20/2036 (D)	79,871	82,600
SMB Private Education Loan Trust		
Series 2015-C, Class A2A 2.750%, 07/15/2027 (D)	17,519	17,699
Series 2019-B, Class A2A 2.840%, 06/15/2037 (D)	494,261	515,439
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (D)	255,000	257,470
Series 2021-A, Class APT2 1.070%, 01/15/2053 (D)	307,948	303,315
Sonic Capital LLC		
Series 2020-1A, Class A2I 3.845%, 01/20/2050 (D)	413,472	436,581
Sunbird Engine Finance LLC		
Series 2020-1A, Class A 3.671%, 02/15/2045 (D)	196,769	190,807
Taco Bell Funding LLC		
Series 2016-1A, Class A2II 4.377%, 05/25/2046 (D)	672,000	675,709
Series 2018-1A, Class A2I 4.318%, 11/25/2048 (D)	490,425	491,474
TAL Advantage VII LLC		
Series 2020-1A, Class B 3.290%, 09/20/2045 (D)	460,625	469,241

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
TIF Funding II LLC		
Series 2021-1A, Class A 1.650%, 02/20/2046 (D)	\$ 309,667	\$ 304,837
Towd Point Mortgage Trust		
Series 2015-1, Class A5 3.241%, 10/25/2053 (D)(J)	123,000	129,573
Series 2015-2, Class 1M2 3.434%, 11/25/2060 (D)(J)	175,000	182,832
Series 2015-6, Class M2 3.750%, 04/25/2055 (D)(J)	1,000,000	1,051,130
Series 2017-1, Class A1 2.750%, 10/25/2056 (D)(J)	115,755	117,527
Series 2017-2, Class A1 2.750%, 04/25/2057 (D)(J)	28,824	29,226
Series 2018-1, Class A1 3.000%, 01/25/2058 (D)(J)	95,681	98,210
Series 2018-3, Class A1 3.750%, 05/25/2058 (D)(J)	138,571	146,061
Series 2018-4, Class A1 3.000%, 06/25/2058 (D)(J)	320,301	332,965
Series 2018-5, Class A1A 3.250%, 07/25/2058 (D)(J)	48,708	49,665
Series 2018-6, Class A1A 3.750%, 03/25/2058 (D)(J)	351,098	362,640
Series 2019-1, Class A1 3.722%, 03/25/2058 (D)(J)	274,512	289,110
Series 2019-4, Class A1 2.900%, 10/25/2059 (D)(J)	311,751	322,395
Series 2020-4, Class A1 1.750%, 10/25/2060 (D)	328,824	332,480
Toyota Auto Loan Extended Note Trust		
Series 2019-1A, Class A 2.560%, 11/25/2031 (D)	1,010,000	1,065,000
Series 2020-1A, Class A 1.350%, 05/25/2033 (D)	346,000	351,748
Tricon American Homes Trust		
Series 2020-SFR2, Class D 2.281%, 11/17/2039 (D)	500,000	496,625
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (D)	784,578	788,759
Series 2021-1A, Class A 1.860%, 03/20/2046 (D)	429,671	426,931
Vantage Data Centers LLC		
Series 2020-1A, Class A2 1.645%, 09/15/2045 (D)	438,000	439,164
Series 2020-2A, Class A2 1.992%, 09/15/2045 (D)	312,000	310,196
VR Funding LLC		
Series 2020-1A, Class A 2.790%, 11/15/2050 (D)	564,042	553,574
VSE VOI Mortgage LLC		
Series 2017-A, Class A 2.330%, 03/20/2035 (D)	66,548	68,020
Wendy's Funding LLC		
Series 2021-1A, Class A2I 2.370%, 06/15/2051 (D)	305,000	307,650
Westgate Resorts LLC		
Series 2017-1A, Class A 3.050%, 12/20/2030 (D)	62,371	62,323

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active 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 (D)	\$ 149,808	\$ 150,113
Zaxby's Funding LLC Series 2021-1A, Class A2 3.238%, 07/30/2051 (D)	433,000	438,404
TOTAL ASSET BACKED SECURITIES (Cost \$44,967,716)		\$ 45,981,864
COMMON STOCKS – 0.1%		
Energy – 0.0%		
Noble Corp. (C)	378	9,348
Utilities – 0.1%		
Algonquin Power & Utilities Corp. (C)	8,150	404,678
Dominion Energy, Inc.	550	53,422
		458,100
TOTAL COMMON STOCKS (Cost \$467,553)		\$ 467,448
PREFERRED SECURITIES – 0.2%		
Communication services – 0.0%		
Telephone & Data Systems, Inc., 6.625%	7,625	222,116
Consumer staples – 0.0%		
Ocean Spray Cranberries, Inc., 6.250% (D)	2,216	206,088
Financials – 0.0%		
GMAC Capital Trust I (3 month LIBOR + 5.785%), 5.941% (B)	2,662	67,375
Wells Fargo & Company, 7.500%	55	83,942
		151,317
Information technology – 0.1%		
Broadcom, Inc., 8.000%	277	421,004
Utilities – 0.1%		
DTE Energy Company, 6.250%	669	33,069
NextEra Energy, Inc., 5.279%	5,300	259,488
NiSource, Inc., 7.750%	1,800	185,022
The Southern Company, 6.750%	831	42,074
		519,653
TOTAL PREFERRED SECURITIES (Cost \$1,314,456)		\$ 1,520,178
WARRANTS – 0.0%		
Noble Corp. (Expiration Date: 2-5-28; Strike Price: \$19.27) (C)	1,540	13,090
Noble Corp. (Expiration Date: 2-5-28; Strike Price: \$23.13) (C)	1,540	10,703
TOTAL WARRANTS (Cost \$6,962)		\$ 23,793
SHORT-TERM INVESTMENTS – 13.8%		
Short-term funds – 12.5%		
John Hancock Collateral Trust, 0.0324% (L)(M)	340,971	3,411,275
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0250% (L)	88,333,936	88,333,936
		91,745,211

Active Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 1.3%		
Repurchase Agreement with State Street Corp. dated 6-30-21 at 0.000% to be repurchased at \$9,688,000 on 7-1-21, collateralized by \$10,061,500 U.S. Treasury Notes, 0.375% due 11-30-25 (valued at \$9,881,836)	\$ 9,688,000	\$ 9,688,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$101,433,296)		\$ 101,433,211
Total Investments (Active Bond Trust) (Cost \$775,482,979) – 109.8%		\$ 807,717,941
Other assets and liabilities, net – (9.8%)		(71,835,373)
TOTAL NET ASSETS – 100.0%		\$ 735,882,568

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 \$149,491,187 or 20.3% of the fund's net assets as of 6-30-21.
(E)	All or a portion of this security is on loan as of 6-30-21.
(F)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(G)	Non-income producing - Issuer is in default.
(H)	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)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(J)	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.
(K)	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.
(L)	The rate shown is the annualized seven-day yield as of 6-30-21.
(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.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

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

Core Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 60.1%		
U.S. Government – 35.3%		
U.S. Treasury Bonds		
1.125%, 05/15/2040 to 08/15/2040	\$ 27,484,000	\$ 23,683,785
1.375%, 11/15/2040 to 08/15/2050	22,203,000	19,659,659
1.625%, 11/15/2050	5,045,000	4,531,041
1.875%, 02/15/2041 to 02/15/2051	21,641,000	21,032,195
2.250%, 05/15/2041	8,188,000	8,519,358
2.375%, 05/15/2051	3,812,000	4,069,906
2.500%, 02/15/2045	2,430,000	2,629,146
U.S. Treasury Notes		
0.125%, 05/31/2022 to 01/15/2024	71,589,000	71,452,381
0.250%, 06/15/2023 to 10/31/2025	52,983,000	52,436,006
0.375%, 04/15/2024 to 12/31/2025	29,539,000	29,013,121
0.500%, 02/28/2026 to 10/31/2027	24,234,000	23,629,163
0.750%, 05/31/2026 to 01/31/2028	20,846,000	20,594,943
0.875%, 06/30/2026	33,176,000	33,160,449
1.125%, 02/15/2031	2,264,000	2,197,849
1.250%, 06/30/2028	2,010,000	2,013,141
1.500%, 11/30/2024	6,252,000	6,451,038
1.625%, 05/15/2031	11,419,000	11,593,853
1.750%, 11/30/2021	903,000	909,349
1.875%, 02/28/2022	10,979,000	11,111,091
2.000%, 02/15/2022	8,231,000	8,330,672
2.125%, 08/15/2021	1,856,000	1,860,798
2.875%, 10/31/2023	6,200,000	6,568,125
		365,447,069
U.S. Government Agency – 24.8%		
Federal Home Loan Mortgage Corp.		
2.000%, 12/01/2050	1,004,952	1,017,624
2.500%, 01/01/2036	2,937,091	3,099,708
2.827%, (12 month LIBOR + 1.641%), 05/01/2049 (A)	607,991	631,486
3.500%, 04/01/2049	677,980	731,771
4.000%, 01/01/2035 to 07/01/2049	5,854,211	6,370,229
4.500%, 06/01/2039 to 08/01/2049	4,122,552	4,549,272
5.000%, 03/01/2049	2,017,600	2,264,917
Federal National Mortgage Association		
2.000%, TBA (B)	32,400,000	33,157,956
2.000%, 05/01/2031 to 04/01/2051	8,950,763	9,131,618
2.500%, TBA (B)	43,200,000	44,597,332
2.500%, 12/01/2035 to 10/01/2050	29,235,400	30,661,512
2.695%, (12 month LIBOR + 1.586%), 01/01/2046 (A)	1,616,564	1,687,772
2.732%, (12 month LIBOR + 1.580%), 06/01/2045 (A)	499,200	519,746
3.000%, 01/01/2043 to 07/01/2060	16,433,021	17,511,599
3.500%, 06/01/2049	148,802	158,550
4.000%, 09/01/2033 to 08/01/2059	14,181,625	15,616,415
4.500%, 05/01/2034 to 01/01/2059	18,564,521	20,684,341
5.000%, 07/01/2044 to 11/01/2049	14,227,914	16,038,331
5.500%, 12/01/2048 to 06/01/2049	2,938,807	3,377,184
Government National		
Mortgage Association		
2.500%, TBA (B)	3,100,000	3,208,203
2.500%, 06/20/2051	17,419,000	18,048,490
3.500%, 01/20/2048	853,140	923,489
4.000%, 06/20/2047 to 07/20/2049	8,871,206	9,531,974
4.500%, 08/15/2047 to 05/20/2049	2,964,010	3,228,576

Core Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
5.000%, 12/20/2039 to 03/20/2049	\$ 8,572,095	\$ 9,309,005
		256,057,100
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$623,027,271)		
		\$ 621,504,169
FOREIGN GOVERNMENT OBLIGATIONS – 1.2%		
Chile – 0.1%		
Republic of Chile		
2.450%, 01/31/2031	222,000	225,918
3.100%, 05/07/2041	573,000	573,573
		799,491
Colombia – 0.1%		
Republic of Colombia		
3.250%, 04/22/2032	344,000	336,934
3.875%, 02/15/2061	742,000	663,905
		1,000,839
Italy – 0.1%		
Republic of Italy		
3.875%, 05/06/2051	758,000	814,535
Japan – 0.1%		
Japan Bank for International Cooperation		
1.750%, 10/17/2024	816,000	843,426
Mexico – 0.4%		
Government of Mexico		
3.750%, 04/19/2071	1,154,000	1,054,144
3.771%, 05/24/2061	215,000	199,843
4.280%, 08/14/2041	1,346,000	1,412,815
4.350%, 01/15/2047	200,000	208,654
4.500%, 04/22/2029	1,416,000	1,599,995
4.750%, 03/08/2044	334,000	368,636
		4,844,087
Paraguay – 0.1%		
Republic of Paraguay		
2.739%, 01/29/2033 (C)	482,000	468,745
5.400%, 03/30/2050 (C)(D)	850,000	990,888
		1,459,633
Peru – 0.3%		
Republic of Peru		
2.392%, 01/23/2026	680,000	701,801
2.783%, 01/23/2031	1,419,000	1,445,620
3.300%, 03/11/2041	906,000	914,127
		3,061,548
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$12,628,385)		
		\$ 12,823,559
CORPORATE BONDS – 28.1%		
Communication services – 2.5%		
AT&T, Inc.		
2.250%, 02/01/2032	755,000	741,002
3.100%, 02/01/2043	165,000	161,675
3.500%, 06/01/2041	348,000	361,491
3.500%, 09/15/2053 (C)	1,380,000	1,386,445
3.550%, 09/15/2055 (C)	341,000	342,143
3.800%, 12/01/2057 (C)	624,000	650,135
3.850%, 06/01/2060	501,000	528,030
Charter Communications Operating LLC		
3.500%, 06/01/2041	669,000	673,529
3.900%, 06/01/2052	1,257,000	1,279,886
4.400%, 12/01/2061	474,000	509,306
4.464%, 07/23/2022	311,000	321,975

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (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	\$ 634,000	\$ 728,180
Comcast Corp.		
1.500%, 02/15/2031	835,000	791,143
3.750%, 04/01/2040	656,000	739,496
Discovery Communications LLC		
4.000%, 09/15/2055	402,000	425,479
4.650%, 05/15/2050	101,000	118,191
Netflix, Inc.		
3.625%, 06/15/2025 (C)	580,000	622,827
5.875%, 11/15/2028	623,000	764,689
Telefonica Emisiones SA		
5.520%, 03/01/2049	253,000	329,207
Tencent Holdings, Ltd.		
3.840%, 04/22/2051 (C)	671,000	722,413
T-Mobile USA, Inc.		
2.250%, 02/15/2026	754,000	759,655
2.250%, 02/15/2026 (C)	3,839,000	3,867,793
2.875%, 02/15/2031	572,000	567,710
3.375%, 04/15/2029 (C)	2,170,000	2,239,426
3.500%, 04/15/2031 (C)	1,440,000	1,489,752
Verizon Communications, Inc.		
2.550%, 03/21/2031	308,000	314,815
2.650%, 11/20/2040	1,367,000	1,315,488
2.875%, 11/20/2050	261,000	247,928
3.400%, 03/22/2041	3,400,000	657,003
3.550%, 03/22/2051	755,000	806,617
3.700%, 03/22/2061	475,000	508,753
4.329%, 09/21/2028	226,000	262,960
ViacomCBS, Inc.		
4.200%, 05/19/2032	34,000	39,240
4.600%, 01/15/2045	62,000	73,557
4.950%, 01/15/2031 to 05/19/2050	330,000	406,420
5.850%, 09/01/2043	118,000	161,674
		25,954,033
Consumer discretionary – 2.4%		
Amazon.com, Inc.		
1.000%, 05/12/2026 (D)	2,195,000	2,195,435
1.650%, 05/12/2028	995,000	1,003,495
2.100%, 05/12/2031	2,526,000	2,568,472
2.700%, 06/03/2060	151,000	144,628
3.100%, 05/12/2051	337,000	353,996
3.250%, 05/12/2061	337,000	355,147
Ford Motor Company		
4.750%, 01/15/2043	263,000	279,438
Ford Motor Credit Company LLC		
3.625%, 06/17/2031	1,804,000	1,838,962
4.000%, 11/13/2030	480,000	502,800
General Motors Company		
5.400%, 04/01/2048	279,000	355,372
Hyundai Capital America		
0.800%, 01/08/2024 (C)	1,031,000	1,026,491
1.250%, 09/18/2023 (C)	507,000	511,629
1.300%, 01/08/2026 (C)	1,013,000	1,001,095
1.800%, 10/15/2025 (C)	802,000	813,731
2.000%, 06/15/2028 (C)	801,000	794,214
Lowe's Companies, Inc.		
2.625%, 04/01/2031	818,000	845,218
3.500%, 04/01/2051	179,000	191,865
Marriott International, Inc.		
2.850%, 04/15/2031	1,463,000	1,485,663
4.625%, 06/15/2030	128,000	147,418
5.750%, 05/01/2025	602,000	694,888

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Nissan Motor Acceptance Corp.		
2.750%, 03/09/2028 (C)	\$ 344,000	\$ 347,095
Sodexo, Inc.		
1.634%, 04/16/2026 (C)	869,000	875,292
2.718%, 04/16/2031 (C)	832,000	848,879
Starbucks Corp.		
1.300%, 05/07/2022	414,000	417,749
3.350%, 03/12/2050	506,000	529,293
3.500%, 11/15/2050	801,000	862,876
The Home Depot, Inc.		
2.375%, 03/15/2051	416,000	384,765
2.700%, 04/15/2030	404,000	431,950
3.125%, 12/15/2049	1,266,000	1,341,229
3.300%, 04/15/2040	135,000	147,872
3.350%, 04/15/2050	326,000	360,407
Yale University		
0.873%, 04/15/2025	582,000	585,509
1.482%, 04/15/2030	498,000	490,633
		24,733,506
Consumer staples – 1.5%		
Altria Group, Inc.		
2.350%, 05/06/2025	140,000	146,367
2.450%, 02/04/2032	384,000	371,359
3.400%, 02/04/2041	1,053,000	1,003,974
3.700%, 02/04/2051	343,000	325,384
3.875%, 09/16/2046	675,000	670,301
4.000%, 02/04/2061	87,000	83,468
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	921,000	1,130,383
4.900%, 02/01/2046	826,000	1,045,510
Anheuser-Busch InBev Worldwide, Inc.		
3.750%, 07/15/2042	298,000	322,684
4.375%, 04/15/2038	968,000	1,157,312
4.600%, 04/15/2048	481,000	587,226
BAT Capital Corp.		
2.259%, 03/25/2028	175,000	173,687
2.726%, 03/25/2031 (D)	1,065,000	1,051,450
3.557%, 08/15/2027	650,000	696,054
4.906%, 04/02/2030	178,000	204,493
Bunge, Ltd. Finance Corp.		
1.630%, 08/17/2025	567,000	573,678
2.750%, 05/14/2031	2,022,000	2,044,183
3.750%, 09/25/2027	1,648,000	1,815,084
Molson Coors Beverage Company		
4.200%, 07/15/2046	906,000	1,009,323
The Estee Lauder Companies, Inc.		
1.950%, 03/15/2031	980,000	980,502
Walmart, Inc.		
3.050%, 07/08/2026	306,000	335,030
		15,727,452
Energy – 2.2%		
Aker BP ASA		
4.000%, 01/15/2031 (C)	454,000	498,667
BP Capital Markets America, Inc.		
3.379%, 02/08/2061	754,000	758,009
Devon Energy Corp.		
4.750%, 05/15/2042	347,000	391,541
5.000%, 06/15/2045	595,000	698,948
5.250%, 09/15/2024 (C)	1,977,000	2,202,169
5.600%, 07/15/2041	263,000	325,193
5.850%, 12/15/2025	310,000	363,857
Enable Midstream Partners LP		
3.900%, 05/15/2024	89,000	94,594
4.150%, 09/15/2029	383,000	419,355
4.400%, 03/15/2027	645,000	711,097

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Enable Midstream		
Partners LP (continued)		
4.950%, 05/15/2028	\$ 1,094,000	\$ 1,252,590
Energy Transfer LP		
5.150%, 03/15/2045	165,000	190,833
5.300%, 04/15/2047	101,000	118,171
5.350%, 05/15/2045	249,000	288,125
6.000%, 06/15/2048	133,000	168,113
6.050%, 06/01/2041	151,000	191,474
6.100%, 02/15/2042	170,000	211,350
6.125%, 12/15/2045	291,000	370,914
Equinor ASA		
3.250%, 11/18/2049	239,000	253,718
Galaxy Pipeline Assets Bidco, Ltd.		
1.750%, 09/30/2027 (C)	974,000	983,705
2.160%, 03/31/2034 (C)	734,000	720,273
2.625%, 03/31/2036 (C)	459,000	450,243
2.940%, 09/30/2040 (C)	498,000	494,320
Lundin Energy Finance BV		
2.000%, 07/15/2026 (C)	1,662,000	1,664,660
3.100%, 07/15/2031 (C)	1,251,000	1,263,680
Marathon Oil Corp.		
5.200%, 06/01/2045	757,000	907,959
Oleoducto Central SA		
4.000%, 07/14/2027 (C)(D)	246,000	253,803
ONEOK, Inc.		
3.100%, 03/15/2030	229,000	239,420
3.400%, 09/01/2029	218,000	232,054
4.000%, 07/13/2027	138,000	152,560
4.450%, 09/01/2049	542,000	599,038
4.950%, 07/13/2047	64,000	75,110
5.850%, 01/15/2026	82,000	96,945
Petroleos del Peru SA		
5.625%, 06/19/2047 (C)	463,000	493,558
Petroleos Mexicanos		
2.378%, 04/15/2025	550,000	570,443
2.460%, 12/15/2025	1,458,450	1,523,127
Pioneer Natural Resources Company		
1.900%, 08/15/2030	873,000	841,087
Plains All American Pipeline LP		
4.900%, 02/15/2045	140,000	152,149
Qatar Petroleum		
2.250%, 07/12/2031 (C)	810,000	801,390
3.125%, 07/12/2041 (C)	440,000	438,376
3.300%, 07/12/2051 (C)	596,000	596,000
		23,058,618
Financials – 7.6%		
American International Group, Inc.		
3.400%, 06/30/2030	733,000	803,809
4.375%, 06/30/2050	434,000	527,575
Antares Holdings LP		
3.950%, 07/15/2026 (C)	678,000	705,542
ANZ New Zealand Int'l, Ltd.		
1.250%, 06/22/2026 (C)	964,000	959,601
Assured Guaranty U.S. Holdings, Inc.		
3.150%, 06/15/2031	501,000	519,797
Athene Global Funding		
2.500%, 03/24/2028 (C)	1,312,000	1,344,751
Athene Holding, Ltd.		
3.500%, 01/15/2031	245,000	261,206
3.950%, 05/25/2051	132,000	141,225
4.125%, 01/12/2028	657,000	732,736
Banco Santander SA (0.701% to 6-30-23, then 1 Year CMT + 0.450%)	1,600,000	1,603,195

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Bank of America Corp.		
3.500%, 04/19/2026	\$ 165,000	\$ 181,774
Bank of America Corp. (0.976% to 4-22-24, then SOFR + 0.690%)		
04/22/2025	1,767,000	1,772,662
Bank of America Corp. (1.197% to 10-24-25, then SOFR + 1.010%)		
10/24/2026	2,486,000	2,462,182
Bank of America Corp. (1.319% to 6-19-25, then SOFR + 1.150%)		
06/19/2026	1,470,000	1,473,215
Bank of America Corp. (1.658% to 3-11-26, then SOFR + 0.910%)		
03/11/2027	3,285,000	3,311,101
Bank of America Corp. (1.734% to 7-22-26, then SOFR + 0.960%)		
07/22/2027	1,771,000	1,784,621
Bank of America Corp. (1.898% to 7-23-30, then SOFR + 1.530%)		
07/23/2031	640,000	622,239
Bank of America Corp. (1.922% to 10-24-30, then SOFR + 1.370%)		
10/24/2031	545,000	531,133
Bank of America Corp. (2.015% to 2-13-25, then 3 month LIBOR + 0.640%) 02/13/2026	165,000	170,123
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	903,000	944,624
Bank of America Corp. (2.496% to 2-13-30, then 3 month LIBOR + 0.990%) 02/13/2031	916,000	935,230
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%)		
04/29/2031	1,053,000	1,085,577
Bank of America Corp. (2.687% to 4-22-31, then SOFR + 1.320%)		
04/22/2032	3,212,000	3,304,488
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,284,000	1,330,671
Bank of America Corp. (3.559% to 4-23-26, then 3 month LIBOR + 1.060%) 04/23/2027	805,000	881,655
Barclays PLC (1.007% to 12-10-23, then 1 Year CMT + 0.800%) 12/10/2024	1,281,000	1,285,569
Barclays PLC (3.564% to 9-23-30, then 5 Year CMT + 2.900%) 09/23/2035	1,799,000	1,874,270
BNP Paribas SA (1.323% to 1-13-26, then SOFR + 1.004%) 01/13/2027 (C)	1,171,000	1,156,814
BNP Paribas SA (2.871% to 4-19-31, then SOFR + 1.387%) 04/19/2032 (C)	987,000	1,013,620
BrightHouse Financial, Inc.		
4.700%, 06/22/2047	493,000	547,539
Credit Suisse Group AG (3.091% to 5-14-31, then SOFR + 1.730%)		
05/14/2032 (C)	861,000	887,047
Deutsche Bank AG		
0.898%, 05/28/2024	827,000	823,234
Deutsche Bank AG (2.129% to 11-24-25, then SOFR + 1.870%) 11/24/2026	1,738,000	1,763,561
Deutsche Bank AG (3.035% to 5-28-31, then SOFR + 1.718%) 05/28/2032	506,000	514,525
Deutsche Bank AG (3.729% to 1-14-31, then SOFR + 2.757%) 01/14/2032	406,000	413,159

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
DNB Bank ASA (1.535% to 5-25-26, then 1 Year CMT + 0.720%) 05/25/2027 (C)	\$ 850,000	\$ 851,546
F&G Global Funding 1.750%, 06/30/2026 (C)	800,000	803,292
FS KKR Capital Corp. 2.625%, 01/15/2027	481,000	475,534
3.400%, 01/15/2026	1,280,000	1,323,544
GE Capital Funding LLC 3.450%, 05/15/2025	382,000	415,719
4.400%, 05/15/2030	575,000	670,066
GE Capital International Funding Company 4.418%, 11/15/2035	1,399,000	1,676,676
Golub Capital BDC, Inc. 3.375%, 04/15/2024	588,000	613,465
JPMorgan Chase & Co. (0.824% to 6-1-24, then SOFR + 0.540%) 06/01/2025	1,485,000	1,482,154
JPMorgan Chase & Co. (1.040% to 2-4-26, then SOFR + 0.695%) 02/04/2027	3,263,000	3,209,365
JPMorgan Chase & Co. (1.045% to 11-19-25, then SOFR + 0.800%) 11/19/2026	1,819,000	1,795,976
JPMorgan Chase & Co. (2.069% to 6-1-28, then SOFR + 1.015%) 06/01/2029	1,617,000	1,629,711
JPMorgan Chase & Co. (2.083% to 4-22-25, then SOFR + 1.850%) 04/22/2026	1,427,000	1,475,581
JPMorgan Chase & Co. (2.182% to 6-1-27, then SOFR + 1.890%) 06/01/2028	999,000	1,022,957
Macquarie Group, Ltd. (1.629% to 9-23-26, then SOFR + 0.910%) 09/23/2027 (C)	1,442,000	1,431,050
Morgan Stanley (0.790% to 5-30-24, then SOFR + 0.525%) 05/30/2025	3,370,000	3,358,106
Morgan Stanley (0.864% to 10-21-24, then SOFR + 0.745%) 10/21/2025	1,176,000	1,175,561
Morgan Stanley (0.985% to 12-10-25, then SOFR + 0.720%) 12/10/2026	1,659,000	1,632,830
NTT Finance Corp. 1.162%, 04/03/2026 (C)	1,604,000	1,600,312
Oaktree Specialty Lending Corp. 2.700%, 01/15/2027	505,000	505,208
Owl Rock Capital Corp. 2.875%, 06/11/2028	337,000	334,471
3.400%, 07/15/2026	1,398,000	1,457,037
SBL Holdings, Inc. 5.000%, 02/18/2031 (C)	1,128,000	1,214,988
Societe Generale SA (2.889% to 6-9-31, then 1 Year CMT + 1.300%) 06/09/2032 (C)	754,000	762,988
Societe Generale SA (3.653% to 7-8-30, then 5 Year CMT + 3.000%) 07/08/2035 (C)	667,000	692,079
Svensk Exportkredit AB 0.750%, 04/06/2023	1,388,000	1,398,328
The Andrew W. Mellon Foundation 0.947%, 08/01/2027	397,000	386,161
The Goldman Sachs Group, Inc. (0.657% to 9-10-23, then SOFR + 0.505%) 09/10/2024	2,408,000	2,404,027

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The Goldman Sachs Group, Inc. (1.542% to 9-10-26, then SOFR + 0.818%) 09/10/2027	\$ 1,606,000	\$ 1,601,480
Trust Fibra Uno 5.250%, 01/30/2026 (C)	503,000	565,875
6.390%, 01/15/2050 (C)	556,000	650,526
UBS Group AG (2.095% to 2-11-31, then 1 Year CMT + 1.000%) 02/11/2032 (C)	390,000	382,056
Westpac Banking Corp. (2.668% to 11-15-30, then 5 Year CMT + 1.750%) 11/15/2035	1,156,000	1,137,048
		78,805,787
Health care – 2.5%		
AbbVie, Inc. 2.300%, 11/21/2022	1,016,000	1,042,846
3.750%, 11/14/2023	90,000	96,537
4.050%, 11/21/2039	378,000	439,019
4.250%, 11/21/2049	990,000	1,186,529
4.300%, 05/14/2036	235,000	278,809
4.400%, 11/06/2042	81,000	98,355
4.450%, 05/14/2046	239,000	288,621
Aetna, Inc. 3.875%, 08/15/2047	258,000	288,537
Astrazeneca Finance LLC 1.200%, 05/28/2026	661,000	658,746
1.750%, 05/28/2028	496,000	495,521
AstraZeneca PLC 1.375%, 08/06/2030	203,000	192,093
3.000%, 05/28/2051	331,000	341,247
Bristol-Myers Squibb Company 2.550%, 11/13/2050	1,009,000	964,825
CVS Health Corp. 2.700%, 08/21/2040	514,000	498,229
3.000%, 08/15/2026	351,000	378,584
3.700%, 03/09/2023	118,000	124,270
4.300%, 03/25/2028	646,000	742,194
4.780%, 03/25/2038	512,000	629,886
5.050%, 03/25/2048	609,000	791,015
Danaher Corp. 2.600%, 10/01/2050	478,000	457,058
DH Europe Finance II Sarl 2.050%, 11/15/2022	519,000	530,908
2.200%, 11/15/2024 (D)	893,000	931,679
2.600%, 11/15/2029	662,000	692,127
Gilead Sciences, Inc. 1.200%, 10/01/2027	162,000	157,918
2.600%, 10/01/2040	564,000	542,955
2.800%, 10/01/2050	721,000	694,466
4.000%, 09/01/2036	291,000	336,377
Pfizer, Inc. 2.550%, 05/28/2040	1,133,000	1,139,383
2.700%, 05/28/2050	232,000	230,807
2.800%, 03/11/2022	313,000	318,696
Regeneron Pharmaceuticals, Inc. 1.750%, 09/15/2030	1,072,000	1,015,734
2.800%, 09/15/2050	402,000	366,043
Royalty Pharma PLC 3.550%, 09/02/2050 (C)	763,000	758,915
Shire Acquisitions Investments Ireland DAC 2.875%, 09/23/2023	677,000	708,466
STERIS Irish FinCo Unlimited Company 3.750%, 03/15/2051	914,000	970,295

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Takeda Pharmaceutical Company, Ltd.		
2.050%, 03/31/2030	\$ 1,231,000	\$ 1,221,253
3.175%, 07/09/2050	1,095,000	1,106,653
4.400%, 11/26/2023	578,000	627,451
Thermo Fisher Scientific, Inc.		
4.497%, 03/25/2030	1,114,000	1,326,459
UnitedHealth Group, Inc.		
2.300%, 05/15/2031	1,018,000	1,042,519
2.750%, 05/15/2040	249,000	252,164
2.900%, 05/15/2050	246,000	248,477
3.050%, 05/15/2041	170,000	178,047
3.250%, 05/15/2051	576,000	614,458
		26,005,171
Industrials – 2.2%		
Adani International Container Terminal Pvt. Ltd.		
3.000%, 02/16/2031 (C)	282,000	272,032
Adani Ports & Special Economic Zone, Ltd.		
4.200%, 08/04/2027 (C)	583,000	607,357
Burlington Northern Santa Fe LLC		
3.050%, 02/15/2051	326,000	339,326
3.300%, 09/15/2051	622,000	679,250
3.550%, 02/15/2050	165,000	186,585
Crowley Conro LLC		
4.181%, 08/15/2043	509,856	602,127
DAE Funding LLC		
1.550%, 08/01/2024 (C)	1,591,000	1,587,770
2.625%, 03/20/2025 (C)	532,000	541,113
3.375%, 03/20/2028 (C)	210,000	214,637
Delta Air Lines, Inc.		
4.500%, 10/20/2025 (C)	1,322,000	1,420,649
4.750%, 10/20/2028 (C)	1,919,000	2,133,463
General Electric Company		
3.450%, 05/01/2027	645,000	709,029
GXO Logistics, Inc.		
1.650%, 07/15/2026 (C)	841,000	836,761
2.650%, 07/15/2031 (C)	134,000	132,924
John Deere Capital Corp.		
0.550%, 07/05/2022	998,000	1,001,863
1.200%, 04/06/2023	768,000	779,555
Northrop Grumman Corp.		
2.930%, 01/15/2025	47,000	50,106
3.250%, 08/01/2023 to 01/15/2028	1,538,000	1,646,848
5.150%, 05/01/2040	343,000	450,101
Southwest Airlines Company		
4.750%, 05/04/2023	698,000	748,771
5.125%, 06/15/2027	1,044,000	1,228,236
The Boeing Company		
2.196%, 02/04/2026	1,234,000	1,245,795
3.250%, 02/01/2028 to 02/01/2035	1,097,000	1,143,381
3.625%, 02/01/2031	702,000	755,021
3.750%, 02/01/2050	707,000	729,235
5.705%, 05/01/2040	197,000	253,713
5.805%, 05/01/2050	52,000	70,025
Union Pacific Corp.		
2.150%, 02/05/2027	515,000	534,105
2.400%, 02/05/2030	638,000	658,584
2.950%, 03/01/2022	579,000	589,576
3.150%, 03/01/2024	276,000	294,461
3.750%, 02/05/2070	103,000	113,533
		22,555,932
Information technology – 2.1%		
Apple, Inc.		
2.375%, 02/08/2041	326,000	316,074

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Apple, Inc. (continued)		
2.550%, 08/20/2060	\$ 763,000	\$ 711,787
2.650%, 05/11/2050 to 02/08/2051	1,618,000	1,585,138
2.800%, 02/08/2061	326,000	317,513
Broadcom Corp.		
3.875%, 01/15/2027	246,000	271,825
Broadcom, Inc.		
2.450%, 02/15/2031 (C)	569,000	559,153
3.150%, 11/15/2025	426,000	456,578
3.419%, 04/15/2033 (C)	2,220,000	2,331,365
3.469%, 04/15/2034 (C)	840,000	888,514
4.150%, 11/15/2030	579,000	649,299
Dell International LLC		
4.900%, 10/01/2026	166,000	191,578
6.100%, 07/15/2027	331,000	405,532
8.350%, 07/15/2046	349,000	570,826
Flex, Ltd.		
4.875%, 05/12/2030	397,000	460,702
HP, Inc.		
2.200%, 06/17/2025	1,048,000	1,087,752
Intel Corp.		
3.100%, 02/15/2060	142,000	145,080
KLA Corp.		
3.300%, 03/01/2050	442,000	467,693
Microsoft Corp.		
2.921%, 03/17/2052	329,000	349,183
NVIDIA Corp.		
0.584%, 06/14/2024	479,000	479,109
NXP BV		
3.150%, 05/01/2027 (C)	324,000	346,592
3.250%, 05/11/2041 (C)	356,000	366,028
3.875%, 06/18/2026 (C)	677,000	749,810
Oracle Corp.		
1.650%, 03/25/2026	1,001,000	1,014,676
2.300%, 03/25/2028	353,000	362,180
2.800%, 04/01/2027	995,000	1,055,132
2.875%, 03/25/2031	1,055,000	1,097,283
2.950%, 11/15/2024	230,000	244,969
3.650%, 03/25/2041	669,000	709,379
3.950%, 03/25/2051	467,000	509,725
4.100%, 03/25/2061	133,000	147,456
salesforce.com, Inc.		
0.625%, 07/15/2024 (B)	639,000	639,262
2.700%, 07/15/2041 (B)	288,000	289,190
2.900%, 07/15/2051 (B)	352,000	355,431
3.050%, 07/15/2061 (B)	224,000	226,961
VMware, Inc.		
3.900%, 08/21/2027	129,000	143,363
4.700%, 05/15/2030	653,000	772,642
		21,274,780
Materials – 0.6%		
LYB International Finance III LLC		
3.375%, 10/01/2040	975,000	1,009,447
3.625%, 04/01/2051	788,000	831,856
3.800%, 10/01/2060	162,000	171,283
NewMarket Corp.		
2.700%, 03/18/2031	821,000	820,862
Newmont Corp.		
2.250%, 10/01/2030	588,000	586,394
Teck Resources, Ltd.		
3.900%, 07/15/2030 (D)	292,000	314,626
5.200%, 03/01/2042	384,000	451,780
6.125%, 10/01/2035	329,000	423,563
6.250%, 07/15/2041	374,000	488,728

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Westlake Chemical Corp.		
3.600%, 08/15/2026	\$ 356,000	\$ 387,996
4.375%, 11/15/2047	691,000	810,398
5.000%, 08/15/2046	8,000	10,116
		6,307,049
Real estate – 1.7%		
Agree LP		
2.000%, 06/15/2028	703,000	697,217
American Tower Corp.		
1.600%, 04/15/2026	657,000	663,939
2.700%, 04/15/2031	492,000	507,402
Brixmor Operating Partnership LP		
2.250%, 04/01/2028	227,000	226,729
Crown Castle International Corp.		
1.050%, 07/15/2026	976,000	953,207
2.100%, 04/01/2031	1,804,000	1,758,043
2.500%, 07/15/2031	705,000	710,019
2.900%, 04/01/2041	456,000	443,563
4.000%, 03/01/2027	163,000	182,411
Essex Portfolio LP		
1.700%, 03/01/2028	853,000	837,604
2.550%, 06/15/2031	335,000	339,328
Federal Realty Investment Trust		
3.950%, 01/15/2024	451,000	483,640
GLP Capital LP		
4.000%, 01/15/2030	268,000	287,647
5.300%, 01/15/2029	329,000	383,285
Mid-America Apartments LP		
3.950%, 03/15/2029	328,000	371,852
4.000%, 11/15/2025	399,000	442,955
4.300%, 10/15/2023	334,000	358,608
Regency Centers LP		
2.950%, 09/15/2029	708,000	745,571
Scentre Group Trust 1		
3.625%, 01/28/2026 (C)	514,000	561,813
Spirit Realty LP		
2.100%, 03/15/2028	649,000	646,312
2.700%, 02/15/2032	355,000	351,897
3.200%, 02/15/2031	772,000	804,571
3.400%, 01/15/2030	392,000	417,813
4.000%, 07/15/2029	188,000	208,675
4.450%, 09/15/2026	41,000	45,724
STORE Capital Corp.		
2.750%, 11/18/2030	577,000	580,817
4.500%, 03/15/2028	1,231,000	1,390,664
4.625%, 03/15/2029	416,000	473,155
VEREIT Operating Partnership LP		
2.200%, 06/15/2028	349,000	354,108
2.850%, 12/15/2032	472,000	493,059
3.400%, 01/15/2028	346,000	376,283
Vornado Realty LP		
2.150%, 06/01/2026	402,000	407,400
3.400%, 06/01/2031	201,000	207,821
		17,713,132
Utilities – 2.8%		
Baltimore Gas and Electric Company		
2.250%, 06/15/2031	482,000	486,583
Black Hills Corp.		
3.050%, 10/15/2029	235,000	250,094
3.875%, 10/15/2049	293,000	316,484
Consumers Energy Company		
2.500%, 05/01/2060	276,000	248,760
Dominion Energy, Inc.		
1.450%, 04/15/2026	728,000	733,138
2.000%, 08/15/2021	459,000	459,291

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Dominion Energy, Inc. (continued)		
3.300%, 04/15/2041	\$ 263,000	\$ 276,127
DTE Electric Company		
2.950%, 03/01/2050	720,000	736,382
DTE Energy Company		
1.050%, 06/01/2025	337,000	336,907
2.950%, 03/01/2030	436,000	459,744
3.800%, 03/15/2027	657,000	730,962
Duke Energy Carolinas LLC		
2.550%, 04/15/2031	329,000	341,565
Duke Energy Corp.		
1.800%, 09/01/2021	687,000	687,655
2.550%, 06/15/2031	1,284,000	1,299,310
3.500%, 06/15/2051	193,000	199,606
Duke Energy Progress LLC		
2.500%, 08/15/2050	489,000	450,804
Entergy Arkansas LLC		
2.650%, 06/15/2051	436,000	412,559
Entergy Corp.		
1.900%, 06/15/2028	652,000	651,051
Eversource Energy		
3.450%, 04/15/2050	545,000	597,081
Eversource Energy		
2.450%, 09/15/2024	609,000	637,769
2.900%, 09/15/2029	432,000	457,797
Eversource Energy		
2.550%, 03/15/2031	489,000	501,849
Interstate Power & Light Company		
3.500%, 09/30/2049	249,000	268,530
ITC Holdings Corp.		
2.700%, 11/15/2022	659,000	677,468
Jersey Central Power & Light Company		
2.750%, 03/01/2032 (C)	459,000	465,927
Metropolitan Edison Company		
4.300%, 01/15/2029 (C)	728,000	815,075
Mid-Atlantic Interstate Transmission LLC		
4.100%, 05/15/2028 (C)	93,000	104,660
Mississippi Power Company		
3.100%, 07/30/2051	575,000	578,008
3.950%, 03/30/2028	803,000	903,294
4.250%, 03/15/2042	221,000	260,310
NextEra Energy Capital Holdings, Inc.		
1.900%, 06/15/2028	643,000	649,907
Northern States Power Company		
2.250%, 04/01/2031	325,000	334,450
3.200%, 04/01/2052	327,000	348,340
NSTAR Electric Company		
3.100%, 06/01/2051	297,000	307,181
Pacific Gas & Electric Company		
2.100%, 08/01/2027	1,107,000	1,075,100
2.500%, 02/01/2031	898,000	841,917
3.300%, 08/01/2040	25,000	22,577
3.500%, 08/01/2050	116,000	103,386
3.950%, 12/01/2047	632,000	587,801
4.200%, 06/01/2041	281,000	276,848
4.500%, 07/01/2040	166,000	166,080
4.750%, 02/15/2044 (E)	163,000	164,572
4.950%, 07/01/2050	326,000	335,313
Pennsylvania Electric Company		
3.250%, 03/15/2028 (C)	276,000	289,815
Piedmont Natural Gas Company, Inc.		
2.500%, 03/15/2031	489,000	496,661
PPL Capital Funding, Inc.		
3.100%, 05/15/2026	427,000	459,049

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Public Service Company of Colorado 1.875%, 06/15/2031	\$ 747,000	\$ 742,832
Public Service Electric & Gas Company 2.050%, 08/01/2050	134,000	115,541
2.700%, 05/01/2050	723,000	715,426
Southern California Edison Company 4.125%, 03/01/2048	364,000	387,909
Southern Company Gas Capital Corp. 1.750%, 01/15/2031	508,000	480,497
Tampa Electric Company 2.400%, 03/15/2031	491,000	501,614
3.450%, 03/15/2051	392,000	429,432
The AES Corp. 1.375%, 01/15/2026 (C)	702,000	695,113
The Southern Company 1.750%, 03/15/2028	487,000	480,717
Trans-Allegheny Interstate Line Company 3.850%, 06/01/2025 (C)	229,000	247,555
Virginia Electric and Power Company 2.450%, 12/15/2050	476,000	438,534
WEC Energy Group, Inc. 0.800%, 03/15/2024	823,000	824,898
1.375%, 10/15/2027	472,000	461,007
Wisconsin Electric Power Company 1.700%, 06/15/2028	323,000	323,992
		28,648,854
TOTAL CORPORATE BONDS (Cost \$284,775,382)		\$ 290,784,314
MUNICIPAL BONDS – 0.4%		
Board of Regents of the University of Texas 2.439%, 08/15/2049	285,000	273,904
County of Clark Department of Aviation (Nevada) 6.820%, 07/01/2045	750,000	1,167,588
North Texas Tollway Authority 6.718%, 01/01/2049	697,000	1,151,030
Port Authority of New York & New Jersey 4.458%, 10/01/2062	571,000	749,109
The Ohio State University 4.800%, 06/01/2111	464,000	657,922
TOTAL MUNICIPAL BONDS (Cost \$3,491,228)		\$ 3,999,553
COLLATERALIZED MORTGAGE OBLIGATIONS – 7.9%		
Commercial and residential – 3.6%		
Angel Oak Mortgage Trust LLC Series 2019-2, Class A1, 3.628%, 03/25/2049 (C)(F)	195,617	197,912
Series 2020-2, Class A1A, 2.531%, 01/26/2065 (C)(F)	315,402	320,813
Series 2020-5, Class A1, 1.373%, 05/25/2065 (C)(F)	264,974	265,906
BBCMS Trust Series 2021-C10, Class A5 2.492%, 07/15/2054 (B)	789,000	818,735
Benchmark Mortgage Trust Series 2021-B26, Class A5, 2.613%, 06/15/2054	471,000	494,082
Series 2021-B27, Class A5, 2.390%, 07/15/2054	287,000	295,288

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Bunker Hill Loan Depository Trust Series 2019-2, Class A1 2.879%, 07/25/2049 (C)	\$ 606,178	\$ 615,130
CD Mortgage Trust Series 2019-CD8, Class A4 2.912%, 08/15/2057	405,000	431,919
CFCRE Commercial Mortgage Trust Series 2017-C8, Class ASB 3.367%, 06/15/2050	305,000	326,881
COLT Mortgage Loan Trust Series 2019-4, Class A1 2.579%, 11/25/2049 (C)(F)	402,065	403,582
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2013-CR10, Class A4, 4.210%, 08/10/2046 (F)	15,000	16,009
Series 2013-CR11, Class A4, 4.258%, 08/10/2050	1,838,000	1,971,556
Series 2013-CR6, Class A4, 3.101%, 03/10/2046	1,394,000	1,430,279
Series 2014-UBS4, Class A4, 3.420%, 08/10/2047	730,000	768,786
Series 2015-LC21, Class A4, 3.708%, 07/10/2048	304,000	331,920
Series 2015-LC23, Class A3, 3.521%, 10/10/2048	379,000	405,231
CSAIL Commercial Mortgage Trust Series 2015-C2, Class A4, 3.504%, 06/15/2057	424,000	457,771
Series 2015-C4, Class A4, 3.808%, 11/15/2048	337,000	371,015
Series 2019-C16, Class A3, 3.329%, 06/15/2052	891,000	973,239
Series 2019-C17, Class A4, 2.763%, 09/15/2052	429,000	450,500
Series 2021-C20, Class A3, 2.805%, 03/15/2054	963,000	1,018,516
GCAT Trust Series 2019-NQM1, Class A1 2.985%, 02/25/2059 (C)	209,199	209,928
GS Mortgage Securities Trust Series 2014-GC18, Class A4, 4.074%, 01/10/2047	971,000	1,039,310
Series 2020-GSA2, Class A4, 1.721%, 12/12/2053	806,000	789,243
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust Series 2010-1, Class A1 5.314%, 01/25/2051 (C)	1,092,648	1,164,644
JPMBB Commercial Mortgage Securities Trust Series 2014-C23, Class A4, 3.670%, 09/15/2047	355,857	379,123
Series 2015-C28, Class A3, 2.912%, 10/15/2048	1,646,379	1,704,459
Mello Warehouse Securitization Trust Series 2020-2, Class A (1 month LIBOR + 0.800%), 0.892%, 11/25/2053 (A)(C)	982,000	983,094
Series 2021-1, Class A (1 month LIBOR + 0.700%), 0.806%, 02/25/2055 (A)(C)	288,000	288,000

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Mello Warehouse		
Securitization Trust (continued)		
Series 2021-2, Class A (1 month LIBOR + 0.750%), 0.842%, 04/25/2055 (A)(C)	\$ 786,000	\$ 786,168
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2012-C5, Class A4, 3.176%, 08/15/2045	209,000	212,529
Series 2015-C20, Class A4, 3.249%, 02/15/2048	158,000	168,886
Morgan Stanley Capital Trust		
Series 2020-HR8, Class A3, 1.790%, 07/15/2053	576,000	568,226
Series 2021-L6, Class A4, 2.444%, 06/15/2054 (B)	479,000	493,368
MSG III Securitization Trust		
Series 2021-1, Class A (1 month LIBOR + 0.750%) 0.841%, 06/25/2054 (A)(C)	489,000	488,910
New Residential Mortgage Loan Trust		
Series 2019-NQM4, Class A1 2.492%, 09/25/2059 (C)(F)	405,643	409,643
NewRez Warehouse Securitization Trust		
Series 2021-1, Class A (1 month LIBOR + 0.750%) 0.842%, 05/25/2055 (A)(C)	2,043,000	2,046,058
STAR Trust		
Series 2021-1, Class A1 1.219%, 05/25/2065 (C)(F)	627,647	629,291
Starwood Mortgage Residential Trust		
Series 2020-1, Class A1, 2.275%, 02/25/2050 (C)(F)	842,575	852,027
Series 2020-3, Class A1, 1.486%, 04/25/2065 (C)(F)	677,182	683,096
Series 2020-INV1, Class A1, 1.027%, 11/25/2055 (C)(F)	549,866	549,658
Verus Securitization Trust		
Series 2019-3, Class A1, 2.784%, 07/25/2059 (C)	842,238	852,814
Series 2019-4, Class A1, 2.642%, 11/25/2059 (C)	1,108,920	1,127,459
Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (C)(F)	487,245	495,370
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (C)(F)	323,303	329,268
Series 2020-1, Class A1, 2.417%, 01/25/2060 (C)	1,271,472	1,287,974
Series 2020-2, Class A1, 2.226%, 05/25/2060 (C)(F)	607,140	612,190
Series 2020-5, Class A1, 1.218%, 05/25/2065 (C)	219,171	219,733
Series 2021-1, Class A1, 0.815%, 01/25/2066 (C)(F)	730,001	729,287
Series 2021-2, Class A1, 1.031%, 02/25/2066 (C)(F)	1,257,855	1,258,304
Series 2021-3, Class A1, 1.046%, 06/25/2066 (C)(F)	849,000	848,960
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (C)(F)	881,193	880,435
Series 2021-R3, Class A1, 1.020%, 04/25/2064 (C)(F)	830,196	829,334

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Visio Trust		
Series 2020-1R, Class A1 1.312%, 11/25/2055 (C)	\$ 604,075	\$ 605,347
		36,887,206
U.S. Government Agency – 4.3%		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	1,690,489	1,765,161
Series 4205, Class PA, 1.750%, 05/15/2043	465,071	480,381
Series 4426, Class QC, 1.750%, 07/15/2037	808,481	828,664
Series 4705, Class A, 4.500%, 09/15/2042	207,050	211,933
Series 4742, Class PA, 3.000%, 10/15/2047	1,868,084	1,935,875
Series 4763, Class CA, 3.000%, 09/15/2038	245,576	262,081
Series 4767, Class KA, 3.000%, 03/15/2048	772,412	824,623
Series 4846, Class PF (1 month LIBOR + 0.350%), 0.423%, 12/15/2048 (A)	151,455	150,565
Series 4880, Class DA, 3.000%, 05/15/2050	1,044,204	1,115,503
Series 5091, Class AB, 1.500%, 03/25/2051	1,981,332	1,984,142
Series 5092, Class DT, 1.500%, 11/25/2049	2,120,838	2,134,238
Series 5119, Class AB, 1.500%, 08/25/2049	782,620	789,241
Federal National Mortgage Association		
Series 2012-151, Class NX, 1.500%, 01/25/2043	549,840	555,036
Series 2013-11, Class AP, 1.500%, 01/25/2043	1,710,084	1,734,280
Series 2013-30, Class CA, 1.500%, 04/25/2043	219,897	222,249
Series 2013-43, Class BP, 1.750%, 05/25/2043	617,750	636,802
Series 2014-73, Class MA, 2.500%, 11/25/2044	375,021	397,560
Series 2015-84, Class PA, 1.700%, 08/25/2033	2,081,293	2,148,247
Series 2016-48, Class MA, 2.000%, 06/25/2038	2,158,161	2,245,491
Series 2016-57, Class PC, 1.750%, 06/25/2046	4,070,520	4,119,164
Series 2017-13, Class PA, 3.000%, 08/25/2046	815,903	856,747
Series 2017-42, Class H, 3.000%, 11/25/2043	435,891	449,777
Series 2017-M7, Class A2, 2.961%, 02/25/2027 (F)	320,000	347,469
Series 2018-14, Class KC, 3.000%, 03/25/2048	1,341,283	1,431,020
Series 2018-15, Class AB, 3.000%, 03/25/2048	307,059	327,419
Series 2018-8, Class KL, 2.500%, 03/25/2047	802,563	837,860
Series 2019-25, Class PA, 3.000%, 05/25/2048	1,391,483	1,474,331

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2019-35, Class A, 3.000%, 07/25/2049	\$ 510,921	\$ 533,115
Series 2020-48, Class AB, 2.000%, 07/25/2050	801,747	818,129
Series 2020-48, Class DA, 2.000%, 07/25/2050	2,651,489	2,694,064
Series 2021-27, Class EC, 1.500%, 05/25/2051	2,958,494	2,978,696
Series 414, Class A35, 3.500%, 10/25/2042	1,791,469	1,941,324
Government National		
Mortgage Association		
Series 2012-141, Class WA, 4.529%, 11/16/2041 (F)	242,280	270,266
Series 2017-167, Class BQ, 2.500%, 08/20/2044	838,482	868,786
Series 2018-11, Class PC, 2.750%, 12/20/2047	944,245	971,142
Series 2019-132, Class NA, 3.500%, 09/20/2049	657,290	698,221
Series 2019-31, Class JC, 3.500%, 03/20/2049	536,880	575,693
Series 2021-23, Class MG, 1.500%, 02/20/2051	1,976,996	2,002,203
		44,617,498
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$80,001,003)		\$ 81,504,704
ASSET BACKED SECURITIES – 8.3%		
AmeriCredit Automobile Receivables Trust		
Series 2020-2, Class A2A 0.600%, 12/18/2023	772,581	773,490
Avis Budget Rental Car Funding AESOP LLC		
Series 2017-1A, Class A 3.070%, 09/20/2023 (C)	637,000	654,431
Series 2019-3A, Class A 2.360%, 03/20/2026 (C)	678,000	709,378
BA Credit Card Trust		
Series 2021-A1, Class A1 0.440%, 09/15/2026	1,088,000	1,085,027
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month LIBOR + 1.650%) 1.742%, 11/26/2046 (A)(C)	487,739	496,884
Series 2018-A, Class A2 4.130%, 12/26/2047 (C)	336,976	354,797
Series 2019-A, Class A2 3.280%, 12/28/2048 (C)	556,769	574,834
Series 2021-A, Class A2 1.600%, 07/25/2051 (C)	850,026	847,569
Ford Credit Auto Owner Trust		
Series 2018-1, Class A 3.190%, 07/15/2031 (C)	597,000	644,051
Series 2019-1, Class A 3.520%, 07/15/2030 (C)	1,452,000	1,559,763
Series 2021-1, Class A 1.370%, 10/17/2033 (C)	1,677,000	1,688,649
Hertz Vehicle Financing III LP		
Series 2021-2A, Class A 1.680%, 12/27/2027 (C)	1,594,000	1,591,873

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Hertz Vehicle Financing LLC		
Series 2021-1A, Class A 1.210%, 12/26/2025 (C)	\$ 542,000	\$ 541,707
Navient Private Education Loan Trust		
Series 2014-AA, Class A3 (1 month LIBOR + 1.600%) 1.673%, 10/15/2031 (A)(C)	470,000	477,911
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%) 2.223%, 12/15/2045 (A)(C)	399,948	411,473
Series 2020-IA, Class A1A 1.330%, 04/15/2069 (C)	2,667,938	2,662,461
Navient Private Education Refi Loan Trust		
Series 2018-A, Class A2 3.190%, 02/18/2042 (C)	42,837	43,411
Series 2018-CA, Class A2 3.520%, 06/16/2042 (C)	126,046	128,245
Series 2018-DA, Class A2A 4.000%, 12/15/2059 (C)	918,499	966,715
Series 2019-CA, Class A2 3.130%, 02/15/2068 (C)	1,060,313	1,083,481
Series 2019-D, Class A2A 3.010%, 12/15/2059 (C)	1,656,792	1,725,543
Series 2019-FA, Class A2 2.600%, 08/15/2068 (C)	1,201,461	1,224,612
Series 2019-GA, Class A 2.400%, 10/15/2068 (C)	603,439	615,752
Series 2020-A, Class A2A 2.460%, 11/15/2068 (C)	1,243,000	1,283,646
Series 2020-BA, Class A2 2.120%, 01/15/2069 (C)	777,458	789,007
Series 2020-DA, Class A 1.690%, 05/15/2069 (C)	482,095	486,932
Series 2020-EA, Class A 1.690%, 05/15/2069 (C)	172,198	174,919
Series 2020-GA, Class A 1.170%, 09/16/2069 (C)	1,200,869	1,205,860
Series 2020-HA, Class A 1.310%, 01/15/2069 (C)	661,337	665,734
Series 2021-A, Class A 0.840%, 05/15/2069 (C)	335,123	334,510
Series 2021-BA, Class A 0.940%, 07/15/2069 (C)	1,747,456	1,746,534
Series 2021-CA, Class A 1.060%, 10/15/2069 (C)	3,456,000	3,463,297
Navient Student Loan Trust		
Series 2019-BA, Class A2A 3.390%, 12/15/2059 (C)	1,434,653	1,499,043
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (3 month LIBOR + 0.180%) 0.356%, 10/27/2036 (A)	1,101,828	1,086,478
Series 2004-4, Class A5 (3 month LIBOR + 0.160%) 0.336%, 01/25/2037 (A)	1,123,725	1,111,149
Series 2005-1, Class A5 (3 month LIBOR + 0.110%) 0.286%, 10/25/2033 (A)	3,392,462	3,341,439
Series 2005-2, Class A5 (3 month LIBOR + 0.100%) 0.235%, 03/23/2037 (A)	3,296,713	3,244,171
Series 2005-3, Class A5 (3 month LIBOR + 0.120%) 0.255%, 12/24/2035 (A)	2,264,595	2,229,577

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Nelnet Student Loan Trust (continued)		
Series 2005-4, Class A4 (3 month LIBOR + 0.180%) 0.315%, 03/22/2032 (A)	\$ 568,475	\$ 550,677
Nissan Auto Receivables Owner Trust		
Series 2021-A, Class A3 0.330%, 10/15/2025	867,000	866,048
Santander Drive Auto Receivables Trust		
Series 2020-1, Class A3 2.030%, 02/15/2024	376,236	378,070
Series 2020-2, Class A2A 0.620%, 05/15/2023	150,966	150,994
Series 2020-3, Class A3 0.520%, 07/15/2024	584,000	584,592
Series 2020-4, Class A3 0.480%, 07/15/2024	528,000	528,890
Santander Retail Auto Lease Trust		
Series 2021-B, Class A3 0.510%, 08/20/2024 (C)	495,000	493,835
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (C)	556,000	585,860
SLM Student Loan Trust		
Series 2003-1, Class A5C (3 month LIBOR + 0.750%) 0.869%, 12/15/2032 (A)(C)	689,470	672,169
Series 2003-10A, Class A4 (3 month LIBOR + 0.670%) 0.789%, 12/17/2068 (A)(C)	1,670,000	1,673,664
Series 2007-2, Class A4 (3 month LIBOR + 0.060%) 0.236%, 07/25/2022 (A)	2,862,462	2,787,550
Series 2007-3, Class A4 (3 month LIBOR + 0.060%) 0.236%, 01/25/2022 (A)	772,423	752,216
Series 2010-1, Class A (1 month LIBOR + 0.400%) 0.492%, 03/25/2025 (A)	818,297	804,800
Series 2012-1, Class A3 (1 month LIBOR + 0.950%) 1.042%, 09/25/2028 (A)	1,897,582	1,876,107
Series 2012-2, Class A (1 month LIBOR + 0.700%) 0.792%, 01/25/2029 (A)	1,601,193	1,573,375
Series 2012-6, Class A3 (1 month LIBOR + 0.750%) 0.842%, 05/26/2026 (A)	1,103,746	1,092,537
SMB Private Education Loan Trust		
Series 2015-B, Class A2B (1 month LIBOR + 1.200%) 1.273%, 07/15/2027 (A)(C)	200,217	200,831
Series 2016-A, Class A2A 2.700%, 05/15/2031 (C)	1,002,136	1,027,339
Series 2016-B, Class A2A 2.430%, 02/17/2032 (C)	152,351	156,094
Series 2016-B, Class A2B (1 month LIBOR + 1.450%) 1.523%, 02/17/2032 (A)(C)	59,852	60,690
Series 2016-C, Class A2B (1 month LIBOR + 1.100%) 1.201%, 09/15/2034 (A)(C)	411,421	415,044
Series 2018-C, Class A2A 3.630%, 11/15/2035 (C)	212,491	223,744
Series 2019-A, Class A2A 3.440%, 07/15/2036 (C)	463,354	485,762
Series 2020-B, Class A1A 1.290%, 07/15/2053 (C)	1,573,200	1,578,214

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
SMB Private Education Loan Trust (continued)		
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (C)	\$ 1,673,000	\$ 1,689,208
Series 2020-PTB, Class A2A 1.600%, 09/15/2054 (C)	4,469,000	4,502,403
Series 2021-A, Class APT1 1.070%, 01/15/2053 (C)	3,993,093	3,933,012
Series 2021-B, Class A 1.310%, 07/17/2051 (C)	1,714,000	1,707,261
Series 2021-C, Class A1 (1 month LIBOR + 0.400%) 0.490%, 01/15/2053 (A)(C)	828,000	828,000
Series 2021-C, Class A2 (1 month LIBOR + 0.800%) 0.890%, 01/15/2053 (A)(C)	1,275,000	1,275,000
SoFi Professional Loan Program LLC		
Series 2016-A, Class A2 2.760%, 12/26/2036 (C)	235,238	237,765
Series 2016-E, Class A1 (1 month LIBOR + 0.850%) 0.942%, 07/25/2039 (A)(C)	62,907	63,017
Series 2017-A, Class A1 (1 month LIBOR + 0.700%) 0.792%, 03/26/2040 (A)(C)	56,803	56,885
Series 2017-D, Class A2FX 2.650%, 09/25/2040 (C)	59,362	60,643
Series 2017-E, Class A1 (1 month LIBOR + 0.500%) 0.592%, 11/26/2040 (A)(C)	36,995	37,019
Series 2017-E, Class A2B 2.720%, 11/26/2040 (C)	1,062,925	1,081,502
Series 2018-A, Class A2B 2.950%, 02/25/2042 (C)	348,100	354,746
Series 2020-A, Class A2FX 2.540%, 05/15/2046 (C)	1,377,000	1,422,696
Series 2020-C, Class AFX 1.950%, 02/15/2046 (C)	1,031,787	1,046,951
Series 2021-A, Class AFX 1.030%, 08/17/2043 (C)	587,000	586,691
Tesla Auto Lease Trust		
Series 2021-A, Class A3 0.560%, 03/20/2025 (C)	382,000	382,779
Toyota Auto Loan Extended Note Trust		
Series 2021-1A, Class A 1.070%, 02/27/2034 (C)	1,777,000	1,777,975
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (C)	399,779	401,909
Verizon Master Trust		
Series 2021-1, Class A 0.500%, 05/20/2027	1,614,000	1,610,271
TOTAL ASSET BACKED SECURITIES (Cost \$85,618,217)		\$ 86,099,188

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 2.1%		
Short-term funds – 2.1%		
John Hancock Collateral Trust, 0.0324% (G)(H)	163,840	\$ 1,639,149
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0250% (G)	20,468,469	20,468,469
TOTAL SHORT-TERM INVESTMENTS (Cost \$22,107,626)		\$ 22,107,618
Total Investments (Core Bond Trust) (Cost \$1,111,649,112) – 108.1%		\$ 1,118,823,105
Other assets and liabilities, net – (8.1%)		(83,963,369)
TOTAL NET ASSETS – 100.0%		\$ 1,034,859,736

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)	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)	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 \$142,451,030 or 13.8% of the fund's net assets as of 6-30-21.
(D)	All or a portion of this security is on loan as of 6-30-21.
(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 6-30-21.
(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 – 0.6%		
Argentina – 0.3%		
Provincia de Buenos Aires 7.875%, 06/15/2027 (A)	\$ 680,000	\$ 304,307
Republic of Argentina 1.000%, 07/09/2029 (B) (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 (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	59,073 598,627 526,571	22,370 214,434 166,665
		707,776
Brazil – 0.3%		
Federative Republic of Brazil 10.000%, 01/01/2023 to 01/01/2027	BRL 2,808,000	587,052

High Yield Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Indonesia – 0.0%		
Republic of Indonesia 8.375%, 03/15/2034	IDR 74,000,000	\$ 5,643
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$2,208,328)		
		\$ 1,300,471
CORPORATE BONDS – 79.7%		
Communication services – 12.7%		
Allen Media LLC 10.500%, 02/15/2028 (C)	\$ 810,000	860,625
Altice France Holding SA 10.500%, 05/15/2027 (C)	240,000	266,700
Altice France SA 5.125%, 07/15/2029 (C)	590,000	592,891
	449,000	466,929
CCO Holdings LLC		
4.250%, 02/01/2031 (C)	130,000	132,438
4.500%, 08/15/2030 (C)	620,000	645,553
4.500%, 05/01/2032	820,000	849,725
5.125%, 05/01/2027 (C)	1,060,000	1,111,834
Charter Communications Operating LLC 6.484%, 10/23/2045	450,000	619,732
Cinemark USA, Inc. 5.875%, 03/15/2026 (C)	600,000	627,870
Clear Channel Outdoor Holdings, Inc. 7.500%, 06/01/2029 (C)	760,000	786,856
CSC Holdings LLC		
4.125%, 12/01/2030 (C)	490,000	486,938
4.500%, 11/15/2031 (C)	440,000	442,702
6.500%, 02/01/2029 (C)	800,000	886,080
DISH DBS Corp.		
5.125%, 06/01/2029 (C)	740,000	730,698
5.875%, 11/15/2024	500,000	536,875
7.750%, 07/01/2026	1,530,000	1,732,725
Frontier Communications Holdings LLC		
5.000%, 05/01/2028 (C)	240,000	248,119
6.750%, 05/01/2029 (C)	210,000	223,287
iHeartCommunications, Inc.		
4.750%, 01/15/2028 (C)	580,000	596,675
5.250%, 08/15/2027 (C)	410,000	428,614
Intelsat Jackson Holdings SA		
8.000%, 02/15/2024 (A)(C)	560,000	578,351
Lumen Technologies, Inc.		
5.625%, 04/01/2025	250,000	271,250
Match Group Holdings II LLC		
4.625%, 06/01/2028 (C)	610,000	634,321
Netflix, Inc.		
4.875%, 06/15/2030 (C)	150,000	178,395
5.375%, 11/15/2029 (C)	250,000	303,649
6.375%, 05/15/2029	700,000	894,075
News Corp.		
3.875%, 05/15/2029 (C)	610,000	616,100
Playtika Holding Corp.		
4.250%, 03/15/2029 (C)	490,000	489,662
Sirius XM Radio, Inc.		
4.000%, 07/15/2028 (C)	400,000	412,000
Sprint Capital Corp.		
8.750%, 03/15/2032	115,000	174,800
Sprint Communications, Inc.		
11.500%, 11/15/2021	470,000	487,525
Sprint Corp.		
7.625%, 02/15/2025	510,000	605,946
7.875%, 09/15/2023	1,170,000	1,329,209
Switch, Ltd.		
3.750%, 09/15/2028 (C)	520,000	526,500
4.125%, 06/15/2029 (C)	510,000	523,388

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Time Warner Cable LLC 7.300%, 07/01/2038	\$ 440,000	\$ 642,588
T-Mobile USA, Inc. 3.500%, 04/15/2031	580,000	600,039
3.500%, 04/15/2031 (C)	710,000	734,531
Univision Communications, Inc. 9.500%, 05/01/2025 (C)	580,000	639,450
UPC Holding BV 5.500%, 01/15/2028 (C)	430,000	450,425
Urban One, Inc. 7.375%, 02/01/2028 (C)	340,000	367,200
Virgin Media Secured Finance PLC 5.500%, 05/15/2029 (C)	330,000	354,750
Virgin Media Vendor Financing Notes IV DAC 5.000%, 07/15/2028 (C)	470,000	479,400
Vmed O2 UK Financing I PLC 4.750%, 07/15/2031 (C)	910,000	923,650
ZoomInfo Technologies LLC 3.875%, 02/01/2029 (C)	260,000	258,375
		26,749,445
Consumer discretionary – 14.9%		
Academy, Ltd. 6.000%, 11/15/2027 (C)	250,000	267,188
Adtalem Global Education, Inc. 5.500%, 03/01/2028 (C)	980,000	995,239
American Axle & Manufacturing, Inc. 6.500%, 04/01/2027 (B)	621,000	658,260
American News Company LLC (8.500% Cash or 10.000% PIK) 8.500%, 09/01/2026 (C)	986,955	1,105,390
Boyer USA, Inc. 4.750%, 05/15/2029 (C)	380,000	392,057
Caesars Entertainment, Inc. 6.250%, 07/01/2025 (C)	360,000	381,600
Carnival Corp. 5.750%, 03/01/2027 (C)	690,000	722,775
Carriage Services, Inc. 4.250%, 05/15/2029 (C)	640,000	639,027
Carrols Restaurant Group, Inc. 5.875%, 07/01/2029 (C)	330,000	325,463
Empire Communities Corp. 7.000%, 12/15/2025 (C)	650,000	682,500
ESH Hospitality, Inc. 5.250%, 05/01/2025 (C)	560,000	570,416
Everi Holdings, Inc. 5.000%, 07/15/2029 (C)	360,000	360,000
Fontainebleau Las Vegas Holdings LLC 10.250%, 06/15/2015 (A)(C)	3,600,425	9,001
Ford Motor Company 9.000%, 04/22/2025	670,000	826,023
Ford Motor Credit Company LLC 4.000%, 11/13/2030	610,000	638,975
5.113%, 05/03/2029	1,100,000	1,231,428
5.125%, 06/16/2025	460,000	506,575
Full House Resorts, Inc. 8.250%, 02/15/2028 (C)	510,000	555,900
Hilton Domestic Operating Company, Inc. 5.375%, 05/01/2025 (C)	120,000	126,300
Installed Building Products, Inc. 5.750%, 02/01/2028 (C)	410,000	431,525
International Game Technology PLC 4.125%, 04/15/2026 (C)	490,000	510,213

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
L Brands, Inc. 5.250%, 02/01/2028	\$ 1,020,000	\$ 1,141,125
6.625%, 10/01/2030 (C)	180,000	208,350
7.500%, 06/15/2029	160,000	188,400
9.375%, 07/01/2025 (C)	340,000	439,450
Magic Mergeco, Inc. 5.250%, 05/01/2028 (C)	270,000	277,001
7.875%, 05/01/2029 (C)	750,000	773,438
Melco Resorts Finance, Ltd. 5.375%, 12/04/2029 (C)	340,000	358,700
Mohegan Gaming & Entertainment 7.875%, 10/15/2024 (B)(C)	350,000	366,625
NCL Corp., Ltd. 3.625%, 12/15/2024 (C)	560,000	540,400
5.875%, 03/15/2026 (C)	300,000	314,250
10.250%, 02/01/2026 (C)	670,000	778,875
12.250%, 05/15/2024 (C)	790,000	954,083
NMG Holding Company, Inc. 7.125%, 04/01/2026 (C)	300,000	320,250
Party City Holdings, Inc. 8.750%, 02/15/2026 (C)	700,000	747,250
PetSmart, Inc. 4.750%, 02/15/2028 (C)	250,000	259,688
7.750%, 02/15/2029 (C)	250,000	275,625
Rent-A-Center, Inc. 6.375%, 02/15/2029 (C)	450,000	483,188
Royal Caribbean Cruises, Ltd. 4.250%, 07/01/2026 (C)	590,000	589,263
5.500%, 04/01/2028 (C)	720,000	754,056
Sands China, Ltd. 5.400%, 08/08/2028	200,000	232,154
Scientific Games International, Inc. 7.000%, 05/15/2028 (C)	630,000	688,086
Service Corp. International 7.500%, 04/01/2027	480,000	583,200
Sizzling Platter LLC 8.500%, 11/28/2025 (C)	430,000	443,975
Speedway Motorsports LLC 4.875%, 11/01/2027 (C)	320,000	322,800
StoneMor, Inc. 8.500%, 05/15/2029 (C)	720,000	728,100
Sugarhouse HSP Gaming Prop Mezz LP 5.875%, 05/15/2025 (C)	270,000	266,625
TopBuild Corp. 3.625%, 03/15/2029 (C)	550,000	544,500
Viking Cruises, Ltd. 5.875%, 09/15/2027 (C)	390,000	385,398
7.000%, 02/15/2029 (C)	800,000	832,344
13.000%, 05/15/2025 (C)	910,000	1,070,560
VOC Escrow, Ltd. 5.000%, 02/15/2028 (C)	1,525,000	1,541,775
WW International, Inc. 4.500%, 04/15/2029 (C)	800,000	806,000
Wynn Macau, Ltd. 5.125%, 12/15/2029 (C)	260,000	267,800
5.625%, 08/26/2028 (C)	550,000	573,375
Wynn Resorts Finance LLC 7.750%, 04/15/2025 (C)	480,000	517,200
		31,509,764
Consumer staples – 1.1%		
Edgewell Personal Care Company 4.125%, 04/01/2029 (C)	340,000	343,400
Kraft Heinz Foods Company 5.200%, 07/15/2045	300,000	372,432
5.500%, 06/01/2050	220,000	285,506

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Simmons Foods, Inc. 4.625%, 03/01/2029 (C)	\$ 590,000	\$ 595,127
Triton Water Holdings, Inc. 6.250%, 04/01/2029 (C)	610,000	611,525
		2,207,990
Energy – 10.4%		
Antero Resources Corp. 5.375%, 03/01/2030 (C)	430,000	438,871
Apache Corp. 5.100%, 09/01/2040	80,000	83,800
	310,000	368,900
Berry Petroleum Company LLC 7.000%, 02/15/2026 (C)	1,290,000	1,309,350
Blue Racer Midstream LLC 6.625%, 07/15/2026 (C)	670,000	700,150
	310,000	335,941
Cheniere Energy Partners LP 4.000%, 03/01/2031 (C)	470,000	491,150
	280,000	301,000
Chesapeake Energy Corp. 5.500%, 02/01/2026 (C)	80,000	84,400
Colgate Energy Partners III LLC 5.875%, 07/01/2029 (C)	1,020,000	1,058,250
Comstock Resources, Inc. 5.875%, 01/15/2030 (C)	380,000	387,600
	144,000	149,400
Continental Resources, Inc. 5.750%, 01/15/2031 (C)	450,000	538,875
DCP Midstream Operating LP 6.450%, 11/03/2036 (C)	280,000	327,600
	590,000	709,475
Endeavor Energy Resources LP 5.500%, 01/30/2026 (C)	140,000	145,425
	150,000	159,938
	320,000	342,400
Energy Transfer LP (6.500% to 11-15-26, then 5 Year CMT + 5.694%) 11/15/2026 (D)	180,000	183,510
EQM Midstream Partners LP 4.000%, 08/01/2024	120,000	123,300
	560,000	605,125
	240,000	261,000
	220,000	245,300
	240,000	256,800
EQT Corp. 3.125%, 05/15/2026 (C)	190,000	194,695
	180,000	187,650
	220,000	235,675
	590,000	657,832
	200,000	233,298
MEG Energy Corp. 5.875%, 02/01/2029 (C)	470,000	489,975
	1,130,000	1,203,817
Northern Oil and Gas, Inc. 8.125%, 03/01/2028 (C)	660,000	711,150
Oasis Petroleum, Inc. 6.375%, 06/01/2026 (C)	990,000	1,032,303
Occidental Petroleum Corp. 2.700%, 02/15/2023	184,000	188,085
	740,000	756,650
	330,000	388,255
	490,000	655,321
Occidental Petroleum Corp. (3 month LIBOR + 1.450%) 1.606%, 08/15/2022 (B)(E)	90,000	89,553

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
PBF Holding Company LLC 9.250%, 05/15/2025 (C)	\$ 210,000	\$ 211,552
Petrobras Global Finance BV 5.750%, 02/01/2029 (B)	100,000	114,140
	410,000	468,671
Range Resources Corp. 5.000%, 03/15/2023	203,000	210,105
	490,000	552,475
	520,000	573,300
Tallgrass Energy Partners LP 6.000%, 12/31/2030 (C)	730,000	758,923
Targa Resources Partners LP 4.875%, 02/01/2031 (C)	570,000	617,025
The Williams Companies, Inc. 8.750%, 03/15/2032	120,000	184,392
Vesta Energy Corp. 8.125%, 07/24/2023 (C)	CAD 490,000	312,278
Western Midstream Operating LP 3.950%, 06/01/2025	\$ 110,000	114,296
	530,000	559,993
	580,000	631,266
		21,940,235
Financials – 8.3%		
Acuris Finance U.S., Inc. 5.000%, 05/01/2028 (C)	400,000	398,744
Apollo Commercial Real Estate Finance, Inc. 4.625%, 06/15/2029 (C)	520,000	512,772
Banco Mercantil del Norte SA (6.875% to 7-6-22, then 5 Year CMT + 5.035%) 07/06/2022 (C)(D)	200,000	207,540
Bank of America Corp. (5.875% to 3-15-28, then 3 month LIBOR + 2.931%) 03/15/2028 (D)	250,000	286,140
Barclays PLC (8.000% to 6-15-24, then 5 Year CMT + 5.672%) 06/15/2024 (D)	380,000	432,250
BNP Paribas SA (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%) 08/19/2025 (C)(D)	390,000	454,592
Burford Capital Global Finance LLC 6.250%, 04/15/2028 (C)	630,000	661,670
Citigroup, Inc. (5.950% to 5-15-25, then 3 month LIBOR + 3.905%) 05/15/2025 (D)	180,000	197,001
Citigroup, Inc. (6.300% to 5-15-24, then 3 month LIBOR + 3.423%) 05/15/2024 (D)	410,000	441,037
Compass Group Diversified Holdings LLC 5.250%, 04/15/2029 (C)	420,000	436,800
Credit Agricole SA (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.185%) 12/23/2025 (C)(D)	340,000	413,100
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (C)(D)	430,000	479,291
Credit Suisse Group AG (7.250% to 9-12-25, then 5 Year ICE Swap Rate + 4.332%) 09/12/2025 (C)(D)	200,000	226,100
FirstCash, Inc. 4.625%, 09/01/2028 (C)	530,000	554,036
Global Aircraft Leasing Company, Ltd. (6.500% Cash or 7.250% PIK) 6.500%, 09/15/2024 (C)	2,201,318	2,212,299

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Highlands Holdings Bond Issuer, Ltd. (7.625% Cash or 8.375% PIK) 7.625%, 10/15/2025 (C)	\$ 620,000	\$ 655,861
Intesa Sanpaolo SpA 4.198%, 06/01/2032 (C)	460,000	471,390
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (C)	460,000	459,349
4.750%, 06/15/2029 (C)	450,000	450,000
LD Holdings Group LLC 6.125%, 04/01/2028 (C)	380,000	379,525
6.500%, 11/01/2025 (C)	700,000	718,760
Midcap Financial Issuer Trust 5.625%, 01/15/2030 (C)	380,000	381,467
6.500%, 05/01/2028 (C)	630,000	659,320
NatWest Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.598%) 08/15/2021 (D)	680,000	684,910
NMI Holdings, Inc. 7.375%, 06/01/2025 (C)	650,000	744,874
Quicken Loans LLC 3.875%, 03/01/2031 (C)	630,000	634,719
5.250%, 01/15/2028 (C)	530,000	556,500
Starwood Property Trust, Inc. 3.625%, 07/15/2026 (C)	770,000	775,775
5.500%, 11/01/2023 (C)	310,000	324,725
StoneX Group, Inc. 8.625%, 06/15/2025 (C)	270,000	288,563
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (C)(D)	550,000	605,688
UniCredit SpA (5.459% to 6-30-30, then 5 Year CMT + 4.750%) 06/30/2035 (C)	720,000	785,046
		17,489,844
Health care – 7.3%		
AdaptHealth LLC 4.625%, 08/01/2029 (C)	460,000	465,750
Akumin, Inc. 7.000%, 11/01/2025 (C)	720,000	747,497
Bausch Health Americas, Inc. 8.500%, 01/31/2027 (C)	520,000	565,188
9.250%, 04/01/2026 (C)	810,000	881,037
Bausch Health Companies, Inc. 5.000%, 02/15/2029 (C)	810,000	755,325
6.250%, 02/15/2029 (C)	1,060,000	1,048,393
Centene Corp. 4.625%, 12/15/2029	500,000	549,885
5.375%, 06/01/2026 (C)	560,000	585,200
Cheplapharm Arzneimittel GmbH 5.500%, 01/15/2028 (C)	680,000	697,000
Community Health Systems, Inc. 6.125%, 04/01/2030 (C)	860,000	872,900
6.625%, 02/15/2025 (C)	810,000	856,567
6.875%, 04/15/2029 (C)	760,000	795,317
Endo Luxembourg Finance Company I Sarl 6.125%, 04/01/2029 (C)	550,000	539,000
HCA, Inc. 5.625%, 09/01/2028	800,000	948,000
Jazz Securities DAC 4.375%, 01/15/2029 (C)	470,000	487,296
Legacy LifePoint Health LLC 4.375%, 02/15/2027 (C)	450,000	455,400
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (C)	620,000	633,845

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Radiology Partners, Inc. 9.250%, 02/01/2028 (C)	\$ 460,000	\$ 508,300
RegionalCare Hospital Partners Holdings, Inc. 9.750%, 12/01/2026 (C)	400,000	430,500
Tenet Healthcare Corp. 4.625%, 06/15/2028 (C)	440,000	452,848
6.750%, 06/15/2023	550,000	600,188
Teva Pharmaceutical Finance Company LLC 6.150%, 02/01/2036 (B)	340,000	374,000
Teva Pharmaceutical Finance Netherlands III BV 7.125%, 01/31/2025	530,000	584,325
U.S. Renal Care, Inc. 10.625%, 07/15/2027 (C)	650,000	681,688
		15,515,449
Industrials – 10.6%		
Allied Universal Holdeco LLC 4.625%, 06/01/2028 (C)	300,000	301,083
6.000%, 06/01/2029 (C)	430,000	435,930
6.625%, 07/15/2026 (C)	710,000	752,763
Alta Equipment Group, Inc. 5.625%, 04/15/2026 (C)	650,000	667,011
American Airlines, Inc. 5.500%, 04/20/2026 (C)	370,000	391,738
5.750%, 04/20/2029 (C)	610,000	659,563
Anagram International, Inc. (5.000% Cash and 5.000% PIK) 10.000%, 08/15/2026 (C)	77,335	77,335
ATS Automation Tooling Systems, Inc. 4.125%, 12/15/2028 (C)	300,000	307,125
BCPE Empire Holdings, Inc. 7.625%, 05/01/2027 (C)	310,000	317,471
Brundage-Bone Concrete Pumping Holdings, Inc. 6.000%, 02/01/2026 (C)	650,000	684,255
CoreCivic, Inc. 4.625%, 05/01/2023	110,000	110,000
8.250%, 04/15/2026	620,000	643,374
Cornerstone Building Brands, Inc. 6.125%, 01/15/2029 (C)	430,000	461,175
CP Atlas Buyer, Inc. 7.000%, 12/01/2028 (C)	440,000	455,950
DAE Funding LLC 5.000%, 08/01/2024 (C)	10,000	10,269
Delta Air Lines, Inc. 4.750%, 10/20/2028 (C)	470,000	522,526
Doman Building Materials Group, Ltd. 5.250%, 05/15/2026 (C)	CAD 480,000	388,674
Foundation Building Materials, Inc. 6.000%, 03/01/2029 (C)	\$ 300,000	297,000
GFL Environmental, Inc. 3.750%, 08/01/2025 (C)	540,000	554,850
H&E Equipment Services, Inc. 3.875%, 12/15/2028 (C)	740,000	728,160
Hawaiian Brand Intellectual Property, Ltd. 5.750%, 01/20/2026 (C)	510,000	547,541
Legends Hospitality Holding Company LLC 5.000%, 02/01/2026 (C)	850,000	886,125
Madison IAQ LLC 5.875%, 06/30/2029 (C)	900,000	915,750

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Mileage Plus Holdings LLC 6.500%, 06/20/2027 (C)	\$ 500,000	\$ 550,500
Park-Ohio Industries, Inc. 6.625%, 04/15/2027	120,000	122,136
PM General Purchaser LLC 9.500%, 10/01/2028 (C)	680,000	716,326
Prime Security Services Borrower LLC 3.375%, 08/31/2027 (C)	390,000	378,300
	470,000	519,195
	920,000	978,650
Sensata Technologies BV 4.000%, 04/15/2029 (C)	410,000	416,184
Sensata Technologies, Inc. 4.375%, 02/15/2030 (C)	340,000	358,306
Spirit Loyalty Cayman, Ltd. 8.000%, 09/20/2025 (C)	546,000	617,526
SRM Escrow Issuer LLC 6.000%, 11/01/2028 (C)	770,000	816,200
The Boeing Company 5.150%, 05/01/2030	400,000	473,662
Titan International, Inc. 7.000%, 04/30/2028 (C)	670,000	700,988
TK Elevator US Newco, Inc. 5.250%, 07/15/2027 (C)	450,000	474,188
TransDigm, Inc. 4.625%, 01/15/2029 (C)	890,000	890,312
	580,000	611,900
	200,000	216,100
United Airlines 2013-1 Class B Pass Through Trust 5.375%, 08/15/2021	233,469	234,052
United Airlines 2014-1 Class B Pass Through Trust 4.750%, 04/11/2022	63,838	64,636
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	291,150	308,762
United Airlines, Inc. 4.375%, 04/15/2026 (C)	120,000	124,222
	230,000	238,050
United Rentals North America, Inc. 4.875%, 01/15/2028	640,000	678,720
	400,000	438,156
XPO CNW, Inc. 6.700%, 05/01/2034 (B)	370,000	442,150
		22,484,889
Information technology – 4.6%		
Alliance Data Systems Corp. 4.750%, 12/15/2024 (C)	510,000	524,025
Clarivate Science Holdings Corp. 4.875%, 06/30/2029 (C)	480,000	492,600
CommScope, Inc. 8.250%, 03/01/2027 (C)	1,260,000	1,346,688
Elastic NV 4.125%, 07/15/2029 (C)	570,000	570,000
Entegris, Inc. 3.625%, 05/01/2029 (C)	210,000	212,625
	430,000	448,813
Gartner, Inc. 3.625%, 06/15/2029 (C)	820,000	832,300
	140,000	143,235
Helios Software Holdings, Inc. 4.625%, 05/01/2028 (C)	730,000	714,539
MPH Acquisition Holdings LLC 5.750%, 11/01/2028 (B)(C)	610,000	612,995

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
NCR Corp. 5.125%, 04/15/2029 (C)	\$ 300,000	\$ 309,375
Open Text Corp. 3.875%, 02/15/2028 (C)	250,000	253,450
Open Text Holdings, Inc. 4.125%, 02/15/2030 (C)	220,000	224,356
Paysafe Finance PLC 4.000%, 06/15/2029 (C)	750,000	738,750
Rackspace Technology Global, Inc. 3.500%, 02/15/2028 (C)	630,000	609,525
Shift4 Payments LLC 4.625%, 11/01/2026 (C)	680,000	709,750
Square, Inc. 3.500%, 06/01/2031 (C)	590,000	595,163
Unisys Corp. 6.875%, 11/01/2027 (C)	420,000	458,993
		9,797,182
Materials – 4.4%		
ARD Finance SA (6.500% Cash or 7.250% PIK) 6.500%, 06/30/2027 (C)	660,000	693,000
Ardagh Metal Packaging Finance USA LLC 3.250%, 09/01/2028 (C)	200,000	199,421
	800,000	793,260
Ardagh Packaging Finance PLC 5.250%, 08/15/2027 (C)	690,000	703,800
Cascades, Inc. 5.375%, 01/15/2028 (C)	530,000	557,163
First Quantum Minerals, Ltd. 6.500%, 03/01/2024 (C)	420,000	428,400
	1,450,000	1,536,911
	210,000	217,875
Freeport-McMoRan, Inc. 3.875%, 03/15/2023	160,000	166,826
	160,000	175,200
	500,000	611,160
Greif, Inc. 6.500%, 03/01/2027 (C)	840,000	885,948
Hudbay Minerals, Inc. 4.500%, 04/01/2026 (C)	240,000	240,900
	290,000	308,850
Kraton Polymers LLC 4.250%, 12/15/2025 (C)	460,000	469,200
Mercer International, Inc. 5.125%, 02/01/2029 (C)	240,000	246,960
Midwest Vanadium Pty, Ltd. 11.500%, 02/15/2018 (A)(C)	913,644	1,389
Northwest Acquisitions ULC 7.125%, 11/01/2022 (A)(C)	950,000	95
Olin Corp. 5.000%, 02/01/2030	420,000	447,825
Summit Materials LLC 5.250%, 01/15/2029 (C)	560,000	594,961
		9,279,144
Real estate – 4.6%		
Diversified Healthcare Trust 4.375%, 03/01/2031	250,000	239,375
	930,000	916,050
	340,000	376,550
Five Point Operating Company LP 7.875%, 11/15/2025 (C)	1,060,000	1,119,572
Forestar Group, Inc. 3.850%, 05/15/2026 (C)	550,000	554,978
	570,000	589,950

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
IIP Operating Partnership LP 5.500%, 05/25/2026 (C)	\$ 280,000	\$ 288,116
Kennedy-Wilson, Inc. 5.000%, 03/01/2031	620,000	637,825
MPT Operating Partnership LP 4.625%, 08/01/2029	560,000	599,458
5.000%, 10/15/2027	200,000	212,018
Park Intermediate Holdings LLC 5.875%, 10/01/2028 (C)	390,000	415,303
Realogy Group LLC 5.750%, 01/15/2029 (C)	500,000	522,695
7.625%, 06/15/2025 (C)	620,000	672,514
Service Properties Trust 5.500%, 12/15/2027	400,000	426,892
The GEO Group, Inc. 5.875%, 10/15/2024 (B)	810,000	724,950
6.000%, 04/15/2026 (B)	945,000	765,450
VICI Properties LP 4.125%, 08/15/2030 (C)	560,000	575,019
		9,636,715
Utilities – 0.8%		
Calpine Corp. 5.000%, 02/01/2031 (C)	490,000	487,550
Suburban Propane Partners LP 5.000%, 06/01/2031 (C)	340,000	348,075
Superior Plus LP 4.500%, 03/15/2029 (C)	290,000	298,706
Talen Energy Supply LLC 6.625%, 01/15/2028 (C)	410,000	375,499
10.500%, 01/15/2026 (C)	340,000	245,863
		1,755,693
TOTAL CORPORATE BONDS (Cost \$163,930,522)		\$ 168,366,350
CONVERTIBLE BONDS – 1.4%		
Communication services – 0.4%		
DISH Network Corp. 3.375%, 08/15/2026	530,000	540,865
Spotify USA, Inc. 1.395%, 03/15/2026 (C)(F)	80,000	74,880
Twitter, Inc. 0.997%, 03/15/2026 (C)(F)	130,000	123,988
		739,733
Consumer discretionary – 0.2%		
DraftKings, Inc. 1.544%, 03/15/2028 (C)(F)	200,000	180,200
Liberty Latin America, Ltd. 2.000%, 07/15/2024	150,000	152,787
		332,987
Energy – 0.4%		
Cheniere Energy, Inc. 4.250%, 03/15/2045	990,000	833,786
Financials – 0.2%		
Apollo Commercial Real Estate Finance, Inc. 4.750%, 08/23/2022	500,000	501,900
Industrials – 0.0%		
Spirit Airlines, Inc. 1.000%, 05/15/2026	90,000	85,779
Information technology – 0.0%		
Blackline, Inc. 0.859%, 03/15/2026 (C)(F)	80,000	76,800

High Yield Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
Real estate – 0.1%		
Realogy Group LLC 0.250%, 06/15/2026 (C)	\$ 190,000	\$ 191,371
Utilities – 0.1%		
NextEra Energy Partners LP 0.117%, 06/15/2024 (C)(F)	90,000	89,685
TOTAL CONVERTIBLE BONDS (Cost \$2,780,665)		\$ 2,852,041
TERM LOANS (G) – 7.9%		
Communication services – 0.7%		
Allen Media LLC, 2020 Term Loan B (3 month LIBOR + 5.500%) 5.647%, 02/10/2027	563,627	563,802
Gannett Holdings LLC, 2021 Term Loan B (3 month LIBOR + 7.000%) 7.750%, 01/29/2026	580,337	583,964
iHeartCommunications, Inc., 2020 Term Loan (1 month LIBOR + 3.000%) 3.104%, 05/01/2026	348,448	345,183
		1,492,949
Consumer discretionary – 2.7%		
Adtalem Global Education, Inc., 2021 Term Loan B 02/11/2028 TBD (H)	830,000	827,718
Clarios Global LP, 2021 USD Term Loan B (1 month LIBOR + 3.250%) 3.354%, 04/30/2026	436,154	431,792
Equinox Holdings, Inc., 2020 Term Loan B2 (3 month LIBOR + 9.000%) 10.000%, 03/08/2024	377,150	373,379
First Brands Group LLC, 2021 Term Loan (1 month LIBOR + 5.000%) 6.000%, 03/30/2027	349,125	352,763
Great Outdoors Group LLC, 2021 Term Loan B (6 month LIBOR + 4.250%) 5.000%, 03/06/2028	328,350	329,171
Petco Health & Wellness Company, Inc., 2021 Term Loan B (3 month LIBOR + 3.250%) 4.000%, 03/03/2028	1,296,750	1,293,742
PetSmart, Inc., 2021 Term Loan B (3 month LIBOR + 3.750%) 4.500%, 02/12/2028	510,000	510,128
Rent-A-Center, Inc., 2021 Term Loan B (1 month LIBOR + 4.000%) 4.750%, 02/17/2028	598,500	598,500
Spencer Spirit IH LLC, Term Loan B (1 month LIBOR + 6.000%) 6.095%, 06/19/2026	603,878	600,255
Truck Hero, Inc., 2021 Term Loan B (1 month LIBOR + 3.750%) 4.500%, 01/31/2028	349,125	348,950
		5,666,398
Financials – 0.5%		
Acisure LLC, 2020 Term Loan B (3 month LIBOR + 3.500%) 3.604%, 02/15/2027	454,250	448,949
Amerilife Holdings LLC, 2020 Term Loan (1 month LIBOR + 4.000%) 4.104%, 03/18/2027	148,523	148,291
Deerfield Dakota Holding LLC, 2021 USD 2nd Lien Term Loan (1 month LIBOR + 6.750%) 7.500%, 04/07/2028	190,000	194,275

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Financials (continued)		
Jane Street Group LLC, 2021 Term Loan (1 month LIBOR + 2.750%) 2.854%, 01/26/2028	\$ 323,429	\$ 321,695
		1,113,210
Health care – 1.1%		
Eyecare Partners LLC, 2020 2nd Lien Term Loan (1 month LIBOR + 8.250%) 8.354%, 02/18/2028	350,000	335,125
Eyecare Partners LLC, 2020 Term Loan (1 month LIBOR + 3.750%) 3.854%, 02/18/2027	495,717	490,948
Jazz Financing Lux Sarl, USD Term Loan (1 month LIBOR + 3.500%) 4.000%, 04/21/2028	200,000	200,562
Option Care Health, Inc., Term Loan B (1 month LIBOR + 3.750%) 3.854%, 08/06/2026	600,850	600,724
US Renal Care, Inc., 2019 Term Loan B (1 month LIBOR + 5.000%) 5.104%, 06/26/2026	647,728	650,021
		2,277,380
Industrials – 1.2%		
CoreCivic, Inc., 2019 Term Loan (1 month LIBOR + 4.500%) 5.500%, 12/18/2024	223,164	216,389
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 6.250%, 06/21/2027	450,000	480,222
SkyMiles IP, Ltd., 2020 SkyMiles Term Loan B (3 month LIBOR + 3.750%) 4.750%, 10/20/2027	640,000	675,642
United Airlines, Inc., 2021 Term Loan B (3 month LIBOR + 3.750%) 4.500%, 04/21/2028	1,127,175	1,140,949
		2,513,202
Information technology – 1.5%		
Dcert Buyer, Inc., 2021 2nd Lien Term Loan (1 month LIBOR + 7.000%) 7.104%, 02/16/2029	820,000	825,642
Global Tel*Link Corp., 2018 1st Lien Term Loan (1 month LIBOR + 4.250%) 4.354%, 11/29/2025	651,781	597,396
Peraton Corp., Term Loan B (1 month LIBOR + 3.750%) 4.500%, 02/01/2028	428,925	429,817
Rackspace Technology Global, Inc., 2021 Term Loan (3 month LIBOR + 2.750%) 3.500%, 02/15/2028	518,700	515,609
Redstone Holdco 2 LP, 2021 2nd Lien Term Loan (3 month LIBOR + 7.750%) 8.500%, 04/27/2029	330,489	324,153
Redstone Holdco 2 LP, 2021 Term Loan (3 month LIBOR + 4.750%) 5.500%, 04/27/2028	337,794	336,669
Vericast Corp., Term Loan B7 (3 month LIBOR + 4.750%) 5.750%, 11/03/2023	183,511	163,899
		3,193,185

High Yield Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Materials – 0.2%		
Arctic Canadian Diamond Company, Ltd., 2nd Lien PIK Term Loan (3 month LIBOR + 5.000% or 12.500% PIK) 5.000%, 12/31/2027 (I)	\$ 441,696	\$ 441,696
TOTAL TERM LOANS (Cost \$16,566,055)		\$ 16,698,020
ASSET BACKED SECURITIES – 4.8%		
Ballyrock CLO, Ltd.		
Series 2016-1A, Class ER (3 month LIBOR + 6.950%) 7.191%, 10/15/2028 (C)(E)	250,000	250,187
Barings CLO, Ltd.		
Series 2020-4A, Class E (3 month LIBOR + 5.680%) 5.904%, 01/20/2032 (C)(E)	330,000	323,354
Benefit Street Partners CLO XI, Ltd.		
Series 2017-12A, Class C (3 month LIBOR + 3.050%) 3.291%, 10/15/2030 (C)(E)	250,000	242,493
BlueMountain CLO, Ltd.		
Series 2015-2A, Class ER (3 month LIBOR + 5.200%) 5.423%, 07/18/2027 (C)(E)	250,000	242,648
Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 7.972%, 08/20/2032 (C)(E)	300,000	300,427
Bristol Park CLO, Ltd.		
Series 2016-1A, Class ER (3 month LIBOR + 7.000%) 7.241%, 04/15/2029 (C)(E)	250,000	250,050
Carlyle US CLO, Ltd.		
Series 2017-2A, Class C (3 month LIBOR + 3.700%) 3.924%, 07/20/2031 (C)(E)	500,000	490,672
Catskill Park CLO, Ltd.		
Series 2017-1A, Class D (3 month LIBOR + 6.000%) 6.224%, 04/20/2029 (C)(E)	500,000	496,009
Cook Park CLO, Ltd.		
Series 2018-1A, Class E (3 month LIBOR + 5.400%) 5.623%, 04/17/2030 (C)(E)	250,000	243,859
Cumberland Park CLO, Ltd.		
Series 2015-2A, Class ER (3 month LIBOR + 5.650%) 5.874%, 07/20/2028 (C)(E)	750,000	732,269
Dryden CLO, Ltd.		
Series 2019-75A, Class ER2 (3 month LIBOR + 6.600%) 6.784%, 04/15/2034 (C)(E)	470,000	466,616
Goldentree Loan Management U.S. CLO 6, Ltd.		
Series 2019-6A, Class E (3 month LIBOR + 5.220%) 5.408%, 01/20/2033 (C)(E)	250,000	240,999
Greenwood Park CLO, Ltd.		
Series 2018-1A, Class D (3 month LIBOR + 2.500%) 2.741%, 04/15/2031 (C)(E)	290,000	286,581
Series 2018-1A, Class E (3 month LIBOR + 4.950%) 5.191%, 04/15/2031 (C)(E)	250,000	238,747
Greywolf CLO IV, Ltd.		
Series 2019-1RA, Class CR (3 month LIBOR + 3.650%) 3.831%, 04/17/2034 (C)(E)	250,000	250,084

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Grippen Park CLO, Ltd. Series 2017-1A, Class E (1 month LIBOR + 5.700%) 5.924%, 01/20/2030 (C)(E)	\$ 420,000	\$ 415,992
Magnetite XII, Ltd. Series 2015-12A, Class ER (3 month LIBOR + 5.680%) 5.921%, 10/15/2031 (C)(E)	300,000	295,014
MKS CLO, Ltd. Series 2017-2A, Class D (3 month LIBOR + 2.650%) 2.874%, 01/20/2031 (C)(E)	500,000	477,481
Mountain View CLO IX, Ltd. Series 2015-9A, Class CR (3 month LIBOR + 3.120%) 3.304%, 07/15/2031 (C)(E)	250,000	239,295
Nassau, Ltd. Series 2020-1A, Class D (3 month LIBOR + 4.770%) 5.003%, 07/20/2029 (C)(E)	250,000	250,091
Neuberger Berman CLO XVIII, Ltd. Series 2014-18A, Class DR2 (3 month LIBOR + 5.920%) 6.144%, 10/21/2030 (C)(E)	250,000	245,541
Oaktree CLO, Ltd. Series 2015-1A, Class DR (3 month LIBOR + 5.200%) 5.424%, 10/20/2027 (C)(E)	250,000	243,592
Ocean Trails CLO X Series 2020-10A, Class D (3 month LIBOR + 4.700%) 4.894%, 10/15/2031 (C)(E)	500,000	501,493
OZLM XIX, Ltd. Series 2017-19A, Class C (3 month LIBOR + 3.100%) 3.341%, 11/22/2030 (C)(E)	810,000	796,975
Saranac CLO III, Ltd. Series 2014-3A, Class DR (3 month LIBOR + 3.250%) 3.437%, 06/22/2030 (C)(E)	570,000	533,805
Sculptor CLO XXVI, Ltd. Series 26A, Class E (3 month LIBOR + 7.250%) 7.412%, 07/20/2034 (C)(E)	280,000	279,947
Venture XVII CLO, Ltd. Series 2014-17A, Class DRR (3 month LIBOR + 2.820%) 3.061%, 04/15/2027 (C)(E)	350,000	335,905
Series 2014-17A, Class ERR (3 month LIBOR + 5.740%) 5.981%, 04/15/2027 (C)(E)	350,000	301,647
Zais CLO, Ltd. Series 2020-16A, Class D1 (3 month LIBOR + 5.480%) 5.770%, 10/20/2031 (C)(E)	250,000	250,807
TOTAL ASSET BACKED SECURITIES (Cost \$10,193,321)		\$ 10,222,580
COMMON STOCKS – 0.9%		
Communication services – 0.0%		
New Cotai, Inc., Class B (I)(J)(K)	3	0
Vertis Holdings, Inc. (I)(K)	69,391	0
		0
Consumer discretionary – 0.1%		
Party City Holdco, Inc. (K)	14,174	132,243

High Yield Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy – 0.8%		
Berry Corp.	79,225	\$ 532,392
Hercules Offshore, Inc. (B)(I)(K)	45,689	23,201
KCAD Holdings I, Ltd. (I)(J)(K)	165,553,563	166
MWO Holdings LLC (I)(J)(K)	445	3,369
Oasis Petroleum, Inc.	8,771	881,924
Southwestern Energy Company (K)	53,920	305,726
		1,746,778
TOTAL COMMON STOCKS (Cost \$9,868,729)		\$ 1,879,021
PREFERRED SECURITIES – 1.0%		
Energy – 0.5%		
MPLX LP, 8.462% (I)	16,445	550,908
Targa Resources Corp., 9.500%	470	505,368
		1,056,276
Financials – 0.5%		
B. Riley Financial, Inc., 6.000%	13,075	339,296
B. Riley Financial, Inc., 6.875%	4,175	108,383
GMAC Capital Trust I (3 month LIBOR + 5.785%), 5.941% (E)	23,898	604,858
		1,052,537
TOTAL PREFERRED SECURITIES (Cost \$1,978,171)		\$ 2,108,813
ESCROW CERTIFICATES – 0.0%		
Adelphia Communications Corp.		
7.750%, 01/15/2049 (I)(K)	\$ 3,000,000	0
9.875%, 03/01/2049 (I)(K)	2,050,000	0
10.250%, 11/01/2049 (I)(K)	1,025,000	0
TOTAL ESCROW CERTIFICATES (Cost \$342,202)		\$ 0
SHORT-TERM INVESTMENTS – 4.6%		
Short-term funds – 4.6%		
John Hancock Collateral Trust, 0.0324% (L)(M)		
	345,094	3,452,532
State Street Institutional Treasury Plus Money Market Fund, Premier Class, 0.0101% (L)		
	6,349,558	6,349,558
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,802,174)		\$ 9,802,090
Total Investments (High Yield Trust) (Cost \$217,670,167) – 100.9%		\$ 213,229,386
Other assets and liabilities, net – (0.9%)		(1,978,848)
TOTAL NET ASSETS – 100.0%		\$ 211,250,538

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 6-30-21.
- (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 \$141,021,057 or 66.8% of the fund's net assets as of 6-30-21.
- (D) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

- (E) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (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).

High Yield Trust (continued)

- (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) Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
- (K) Non-income producing security.
- (L) The rate shown is the annualized seven-day yield as of 6-30-21.
- (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.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	81	Long	Sep 2021	\$10,011,021	\$9,997,805	\$(13,216)
						\$(13,216)

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
EUR 442,617	USD 527,870	BNP	7/19/2021	—	\$(2,850)
MXN 1,174,325	USD 57,761	MSCS	7/19/2021	\$1,027	—
USD 587,521	CAD 724,887	JPM	7/19/2021	2,753	—
				\$3,780	\$(2,850)

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
Centrally cleared	Ford Motor Credit Company LLC	1.163%	300,000	USD	\$300,000	5.000%	Quarterly	Jun 2023	\$(12,872)	\$35,863	\$22,991
Centrally cleared	Occidental Petroleum Corp.	1.900%	750,000	USD	750,000	1.000%	Quarterly	Jun 2026	(34,369)	2,950	(31,419)
					\$1,050,000				\$(47,241)	\$38,813	\$(8,428)

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.
MSCS	Morgan Stanley Capital Services LLC
OTC	Over-the-counter

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

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 67.0%		
U.S. Government – 27.7%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 1,335,000	\$ 1,090,059
1.875%, 02/15/2051	2,545,000	2,428,884
2.250%, 05/15/2041 to 08/15/2046	6,380,000	6,622,855
2.500%, 02/15/2045 (A)	1,204,000	1,302,672
2.500%, 02/15/2046	648,000	701,966
2.875%, 05/15/2043	1,170,000	1,345,591
3.000%, 11/15/2044 to 02/15/2048	9,220,000	10,921,628
3.125%, 08/15/2044 (A)	5,535,000	6,642,649
3.125%, 05/15/2048	3,205,000	3,908,723
3.375%, 05/15/2044	1,690,000	2,107,285
3.625%, 08/15/2043	680,000	875,819
3.750%, 11/15/2043 (A)	2,908,000	3,817,204
4.375%, 11/15/2039	1,170,000	1,627,625
5.375%, 02/15/2031	3,000	4,080
6.500%, 11/15/2026	3,135,000	4,050,028
U.S. Treasury Inflation Protected Securities		
0.375%, 01/15/2027	701,827	776,753
0.750%, 07/15/2028	170,176	195,250
0.875%, 02/15/2047	1,000,939	1,287,041
1.000%, 02/15/2048 to 02/15/2049	423,859	567,337
U.S. Treasury Notes		
0.250%, 06/30/2025	3,705,000	3,639,294
0.375%, 01/31/2026	1,610,000	1,577,737
0.625%, 05/15/2030 (A)	8,095,000	7,566,612
0.625%, 08/15/2030	1,590,000	1,481,309
0.875%, 11/15/2030	1,425,000	1,355,086
1.625%, 05/15/2031	2,120,000	2,152,959
2.750%, 02/15/2028	6,865,000	7,564,104
		75,610,550
U.S. Government Agency – 39.3%		
Federal Home Loan Mortgage Corp.		
3.000%, 12/01/2046 to 04/01/2048	367,824	387,674
3.500%, 03/01/2048 to 06/01/2048	1,227,356	1,292,304
5.000%, 12/01/2034	107,270	121,143
6.500%, 04/01/2029 to 08/01/2034	7,518	8,822
7.500%, 12/01/2025 to 05/01/2028	1,928	2,160
Federal National Mortgage Association		
1.500%, TBA (B)	4,000,000	4,046,059
2.000%, TBA (B)	39,890,000	40,415,688
2.500%, TBA (B)	3,000,000	3,099,960
2.500%, 07/01/2030 to 04/01/2045	919,585	957,304
2.660%, 03/01/2027	796,952	856,783
2.720%, 03/01/2027	720,359	773,359
3.000%, TBA (B)	8,600,000	8,985,826
3.500%, 06/01/2046 to 05/01/2048	4,325,920	4,575,760
4.000%, TBA (B)	5,800,000	6,175,640
4.500%, TBA (B)	3,300,000	3,550,333
5.000%, TBA (B)	1,800,000	1,971,886
Government National Mortgage Association		
2.000%, TBA (B)	4,200,000	4,278,857
3.000%, TBA (B)	11,500,000	11,997,070
3.500%, TBA (B)	5,400,000	5,673,331
4.000%, TBA (B)	2,600,000	2,744,976
4.000%, 11/15/2040 to 02/15/2042	35,028	38,590
4.500%, TBA (B)	4,600,000	4,903,447
6.000%, 08/15/2032 to 04/15/2035	49,575	57,575
6.500%, 06/15/2028 to 02/15/2035	20,518	23,041

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
7.000%, 11/15/2031 to 11/15/2033	\$ 98,538	\$ 111,020
		107,048,608
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$180,573,835)		
		\$ 182,659,158
FOREIGN GOVERNMENT OBLIGATIONS – 5.4%		
Angola – 0.2%		
Republic of Angola		
8.000%, 11/26/2029	200,000	204,836
8.250%, 05/09/2028	200,000	208,464
		413,300
Argentina – 0.0%		
Republic of Argentina		
1.000%, 07/09/2029	5,292	2,004
(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	49,135
		51,139
Australia – 0.1%		
Commonwealth of Australia		
1.750%, 06/21/2051	AUD 460,000	304,525
Bermuda – 0.1%		
Government of Bermuda		
2.375%, 08/20/2030 (C)	\$ 200,000	199,500
Brazil – 0.4%		
Federative Republic of Brazil		
10.000%, 01/01/2031	BRL 5,476,000	1,159,621
Chile – 0.1%		
Republic of Chile		
3.100%, 05/07/2041	\$ 240,000	240,240
Colombia – 0.2%		
Republic of Colombia		
3.875%, 04/25/2027	605,000	642,407
Croatia – 0.2%		
Republic of Croatia		
1.500%, 06/17/2031	EUR 515,000	635,723
Dominican Republic – 0.2%		
Government of Dominican Republic		
6.400%, 06/05/2049 (C)	\$ 425,000	456,875
Egypt – 0.1%		
Arab Republic of Egypt		
7.625%, 05/29/2032 (C)	210,000	222,621
Ghana – 0.1%		
Republic of Ghana		
6.375%, 02/11/2027 (C)	200,000	200,884
Hungary – 0.1%		
Republic of Hungary		
1.625%, 04/28/2032	EUR 195,000	245,879
Indonesia – 0.2%		
Republic of Indonesia		
1.100%, 03/12/2033	530,000	613,277
Macedonia – 0.2%		
Republic of Macedonia		
2.750%, 01/18/2025	210,000	261,084
3.675%, 06/03/2026 (C)	265,000	346,071
		607,155

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Mexico – 1.3%			
Government of Mexico			
1.125%, 01/17/2030	EUR	200,000	\$ 232,605
1.450%, 10/25/2033		600,000	678,546
3.750%, 04/19/2071	\$	200,000	182,694
4.280%, 08/14/2041		235,000	246,665
4.750%, 04/27/2032 to 03/08/2044		311,000	352,956
7.750%, 05/29/2031	MXN	35,584,600	1,884,267
			3,577,733
Panama – 0.3%			
Republic of Panama			
3.870%, 07/23/2060	\$	585,000	596,612
4.300%, 04/29/2053		200,000	221,546
			818,158
Peru – 0.1%			
Republic of Peru			
2.392%, 01/23/2026		70,000	72,244
2.783%, 01/23/2031		165,000	168,095
3.300%, 03/11/2041		130,000	131,166
			371,505
Philippines – 0.2%			
Republic of the Philippines			
1.200%, 04/28/2033	EUR	535,000	633,018
Romania – 0.5%			
Republic of Romania			
2.625%, 12/02/2040 (C)		335,000	393,301
2.750%, 04/14/2041		175,000	205,825
3.375%, 02/08/2038		170,000	220,647
4.625%, 04/03/2049		317,000	475,123
			1,294,896
Saudi Arabia – 0.3%			
Kingdom of Saudi Arabia			
2.250%, 02/02/2033 (C)	\$	685,000	665,443
Senegal – 0.2%			
Republic of Senegal			
4.750%, 03/13/2028	EUR	200,000	246,946
6.250%, 05/23/2033	\$	255,000	268,401
			515,347
Serbia – 0.1%			
Republic of Serbia			
1.650%, 03/03/2033 (C)	EUR	330,000	382,588
Tunisia – 0.1%			
Banque Centrale de Tunisie			
6.750%, 10/31/2023 (C)		190,000	217,408
United Arab Emirates – 0.1%			
Finance Department Government of Sharjah			
3.625%, 03/10/2033 (C)	\$	280,000	282,741
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$14,727,088)			\$ 14,751,983
CORPORATE BONDS – 31.7%			
Communication services – 3.7%			
AT&T, Inc.			
3.500%, 02/01/2061		125,000	123,312
3.550%, 09/15/2055 (C)		798,000	800,676
3.650%, 09/15/2059 (C)		9,000	9,127
3.800%, 12/01/2057 (C)		116,000	120,858
CCO Holdings LLC			
4.250%, 02/01/2031 (C)		110,000	112,063
4.500%, 08/15/2030 (C)		60,000	62,473
Charter Communications Operating LLC			
2.300%, 02/01/2032		85,000	81,721

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Charter Communications		
Operating LLC (continued)		
4.800%, 03/01/2050	\$ 45,000	\$ 51,685
5.125%, 07/01/2049	75,000	89,318
5.750%, 04/01/2048	125,000	159,093
6.484%, 10/23/2045	365,000	502,671
6.834%, 10/23/2055	40,000	58,879
Comcast Corp.		
3.200%, 07/15/2036	55,000	59,008
3.250%, 11/01/2039	180,000	191,455
3.750%, 04/01/2040	250,000	281,820
4.049%, 11/01/2052	45,000	53,562
4.600%, 10/15/2038	5,000	6,197
4.650%, 07/15/2042	35,000	43,932
4.750%, 03/01/2044	20,000	25,464
4.950%, 10/15/2058	35,000	48,398
Cox Communications, Inc.		
2.600%, 06/15/2031 (C)	170,000	172,549
3.150%, 08/15/2024 (C)	106,000	113,078
CSC Holdings LLC		
3.375%, 02/15/2031 (C)	430,000	406,311
Discovery Communications LLC		
3.800%, 03/13/2024	80,000	85,796
3.950%, 06/15/2025	12,000	13,162
4.000%, 09/15/2055	246,000	260,368
5.300%, 05/15/2049	100,000	126,469
Lamar Media Corp.		
3.750%, 02/15/2028	10,000	10,175
Sirius XM Radio, Inc.		
4.125%, 07/01/2030 (C)	40,000	40,355
Sprint Corp.		
7.125%, 06/15/2024	85,000	98,069
Telecom Italia Capital SA		
6.000%, 09/30/2034	15,000	17,306
7.721%, 06/04/2038	25,000	34,082
Telefonica Celular del Paraguay SA		
5.875%, 04/15/2027 (C)	400,000	420,000
Tencent Holdings, Ltd.		
3.595%, 01/19/2028 (C)	200,000	218,831
3.840%, 04/22/2051 (C)	200,000	215,324
3.975%, 04/11/2029 (C)	200,000	222,964
Time Warner Cable LLC		
4.500%, 09/15/2042	520,000	578,004
5.875%, 11/15/2040	110,000	142,290
T-Mobile USA, Inc.		
2.050%, 02/15/2028	315,000	319,779
3.500%, 04/15/2025	320,000	346,830
3.875%, 04/15/2030	330,000	368,881
4.500%, 04/15/2050	140,000	166,703
VEON Holdings BV		
3.375%, 11/25/2027 (C)	225,000	226,350
Verizon Communications, Inc.		
2.650%, 11/20/2040	145,000	139,536
2.987%, 10/30/2056	83,000	78,023
3.400%, 03/22/2041	415,000	439,005
3.550%, 03/22/2051	100,000	106,837
4.272%, 01/15/2036	160,000	190,372
4.400%, 11/01/2034	225,000	268,022
4.812%, 03/15/2039	120,000	152,001
ViacomCBS, Inc.		
4.200%, 05/19/2032	100,000	115,412
4.950%, 01/15/2031	255,000	307,356
Videotron, Ltd.		
5.375%, 06/15/2024 (C)	40,000	43,800

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Vodafone Group PLC		
6.150%, 02/27/2037	\$ 190,000	\$ 262,914
WMG Acquisition Corp.		
3.875%, 07/15/2030 (C)	450,000	454,455
		10,043,121
Consumer discretionary – 1.7%		
Alibaba Group Holding, Ltd.		
3.400%, 12/06/2027	235,000	256,788
Amazon.com, Inc.		
3.875%, 08/22/2037	170,000	202,717
AutoZone, Inc.		
3.625%, 04/15/2025	210,000	229,828
General Motors Company		
5.200%, 04/01/2045	80,000	98,878
6.125%, 10/01/2025	70,000	82,866
General Motors Financial Company, Inc.		
1.250%, 01/08/2026	135,000	134,100
1.500%, 06/10/2026	550,000	546,412
Hanesbrands, Inc.		
4.875%, 05/15/2026 (C)	50,000	54,000
Howard University		
2.701%, 10/01/2029	100,000	101,756
2.801%, 10/01/2030	100,000	102,342
3.476%, 10/01/2041	120,000	122,621
KFC Holding Company/Pizza Hut		
Holdings LLC/Taco Bell of		
America LLC		
4.750%, 06/01/2027 (C)	20,000	20,925
Las Vegas Sands Corp.		
3.500%, 08/18/2026	180,000	191,384
Lithia Motors, Inc.		
4.625%, 12/15/2027 (C)	30,000	31,728
Lowe's Companies, Inc.		
1.700%, 10/15/2030	150,000	143,794
3.700%, 04/15/2046	15,000	16,481
McDonald's Corp.		
3.350%, 04/01/2023	180,000	188,838
3.625%, 09/01/2049	210,000	232,709
4.200%, 04/01/2050	65,000	78,321
New Red Finance, Inc.		
3.500%, 02/15/2029 (C)	60,000	59,250
PulteGroup, Inc.		
5.500%, 03/01/2026	307,000	358,423
Service Corp. International		
3.375%, 08/15/2030	335,000	328,233
5.125%, 06/01/2029	507,000	550,095
The Home Depot, Inc.		
3.300%, 04/15/2040	205,000	224,546
The William Carter Company		
5.625%, 03/15/2027 (C)	105,000	110,481
Toll Brothers Finance Corp.		
4.875%, 11/15/2025	50,000	56,118
		4,523,634
Consumer staples – 1.5%		
Altria Group, Inc.		
2.625%, 09/16/2026	80,000	84,206
3.700%, 02/04/2051	130,000	123,324
Anheuser-Busch InBev Worldwide, Inc.		
3.750%, 07/15/2042	299,000	323,767
4.750%, 04/15/2058	60,000	75,230
5.450%, 01/23/2039	328,000	432,589
BAT Capital Corp.		
2.259%, 03/25/2028	140,000	138,950
2.789%, 09/06/2024	250,000	262,616

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
BAT International Finance PLC		
1.668%, 03/25/2026	\$ 545,000	\$ 544,695
Conagra Brands, Inc.		
4.300%, 05/01/2024	70,000	76,778
5.400%, 11/01/2048	30,000	40,272
Constellation Brands, Inc.		
2.650%, 11/07/2022	155,000	159,342
3.150%, 08/01/2029	92,000	98,661
4.650%, 11/15/2028	15,000	17,620
Diageo Capital PLC		
2.000%, 04/29/2030	200,000	200,140
Kellogg Company		
3.400%, 11/15/2027	150,000	164,811
Kernel Holding SA		
6.500%, 10/17/2024	200,000	213,866
Mondelez International, Inc.		
1.500%, 05/04/2025	140,000	142,470
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (C)	420,000	452,764
The Coca-Cola Company		
2.250%, 01/05/2032	455,000	465,826
3.000%, 03/05/2051	45,000	46,839
TreeHouse Foods, Inc.		
4.000%, 09/01/2028 (D)	20,000	19,850
		4,084,616
Energy – 2.1%		
Apache Corp.		
4.875%, 11/15/2027	20,000	21,660
BP Capital Markets America, Inc.		
2.939%, 06/04/2051	80,000	76,590
3.060%, 06/17/2041	55,000	55,416
3.379%, 02/08/2061	105,000	105,558
3.633%, 04/06/2030	215,000	241,024
Continental Resources, Inc.		
5.750%, 01/15/2031 (C)	20,000	23,950
DCP Midstream Operating LP		
4.950%, 04/01/2022	20,000	20,375
5.600%, 04/01/2044	30,000	33,000
Energy Transfer LP		
4.000%, 10/01/2027	65,000	71,511
4.950%, 06/15/2028	45,000	51,992
5.250%, 04/15/2029	225,000	265,763
6.125%, 12/15/2045	305,000	388,759
6.250%, 04/15/2049	45,000	59,051
Enterprise Products Operating LLC		
4.250%, 02/15/2048	65,000	74,414
4.950%, 10/15/2054	80,000	99,135
EQM Midstream Partners LP		
6.500%, 07/01/2027 (C)	5,000	5,575
Equinor ASA		
1.750%, 01/22/2026	170,000	175,060
3.625%, 04/06/2040	125,000	142,510
3.700%, 04/06/2050	60,000	68,953
Exxon Mobil Corp.		
4.227%, 03/19/2040	190,000	226,859
Galaxy Pipeline Assets Bidco, Ltd.		
2.160%, 03/31/2034 (C)	265,000	260,044
2.625%, 03/31/2036 (C)	630,000	617,980
2.940%, 09/30/2040 (C)	200,000	198,522
Halliburton Company		
4.850%, 11/15/2035	85,000	100,047
Hess Corp.		
7.125%, 03/15/2033	58,000	78,623
7.300%, 08/15/2031	155,000	210,153

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Leviathan Bond, Ltd. 6.500%, 06/30/2027 (C)	\$ 235,000	\$ 260,698
Lundin Energy Finance BV 2.000%, 07/15/2026 (C)	200,000	200,320
3.100%, 07/15/2031 (C)	285,000	287,889
Marathon Petroleum Corp. 4.700%, 05/01/2025	260,000	293,223
MPLX LP		
1.750%, 03/01/2026	25,000	25,270
4.700%, 04/15/2048	35,000	40,660
5.200%, 03/01/2047	40,000	49,249
NGPL PipeCo LLC 3.250%, 07/15/2031 (C)	105,000	108,216
Ovintiv, Inc. 6.500%, 08/15/2034	5,000	6,601
Qatar Petroleum 2.250%, 07/12/2031 (C)	295,000	291,864
Sabine Pass Liquefaction LLC 4.500%, 05/15/2030	200,000	230,810
Shell International Finance BV 3.250%, 04/06/2050	85,000	90,396
Suncor Energy, Inc. 3.750%, 03/04/2051	35,000	37,860
Targa Resources Partners LP 4.875%, 02/01/2031 (C)	20,000	21,650
Tullow Oil PLC 7.000%, 03/01/2025 (C)	200,000	177,300
Western Midstream Operating LP 5.300%, 02/01/2030	10,000	11,200
		5,805,730
Financials – 8.4%		
American International Group, Inc. 2.500%, 06/30/2025	445,000	469,586
Aon Corp. 2.200%, 11/15/2022	185,000	189,533
Bank of America Corp. 7.750%, 05/14/2038	130,000	205,182
Bank of America Corp. (2.087% to 6-14-28, then SOFR + 1.060%) 06/14/2029	270,000	272,185
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	270,000	282,446
Bank of America Corp. (3.311% to 4-22-41, then SOFR + 1.580%) 04/22/2042	285,000	301,559
Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	740,000	797,864
Bank of America Corp. (3.705% to 4-24-27, then 3 month LIBOR + 1.512%) 04/24/2028	90,000	99,520
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	625,000	746,822
BNP Paribas SA (1.323% to 1-13-26, then SOFR + 1.004%) 01/13/2027 (C)	200,000	197,577
BNP Paribas SA (2.219% to 6-9-25, then SOFR + 2.074%) 06/09/2026 (C)	240,000	247,346
Brighthouse Financial, Inc. 5.625%, 05/15/2030	545,000	663,122
Capital One Financial Corp. 3.900%, 01/29/2024	205,000	221,240
Citigroup, Inc. 3.200%, 10/21/2026	225,000	243,734

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Citigroup, Inc. (continued) 3.700%, 01/12/2026	\$ 315,000	\$ 348,347
4.450%, 09/29/2027	45,000	51,412
Citigroup, Inc. (2.312% to 11-4-21, then SOFR + 0.867%) 11/04/2022	235,000	236,475
Citigroup, Inc. (2.561% to 5-1-31, then SOFR + 1.167%) 05/01/2032	270,000	274,847
Citigroup, Inc. (3.352% to 4-24-24, then 3 month LIBOR + 0.897%) 04/24/2025	220,000	234,422
Citigroup, Inc. (3.980% to 3-20-29, then 3 month LIBOR + 1.338%) 03/20/2030	110,000	124,591
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.914%) 03/31/2031	165,000	192,665
Credit Suisse Group AG (6.250% to 12-18-24, then 5 Year U.S. Swap Rate + 3.455%) 12/18/2024 (E)	475,000	520,125
Danske Bank A/S 5.000%, 01/12/2022 (C)	225,000	230,220
5.375%, 01/12/2024 (C)	235,000	260,581
Equitable Financial Life Global Funding 1.800%, 03/08/2028 (C)	380,000	378,026
Fifth Third Bancorp 2.375%, 01/28/2025	205,000	214,924
FirstCash, Inc. 4.625%, 09/01/2028 (C)	250,000	261,338
GE Capital Funding LLC 4.400%, 05/15/2030	235,000	273,853
GE Capital International Funding Company 4.418%, 11/15/2035	220,000	263,666
Genworth Holdings, Inc. 4.900%, 08/15/2023	50,000	50,125
GTP Acquisition Partners I LLC 3.482%, 06/16/2025 (C)	730,000	775,344
HSBC Holdings PLC (0.976% to 5-24-24, then SOFR + 0.708%) 05/24/2025	290,000	289,756
HSBC Holdings PLC (1.589% to 5-24-26, then SOFR + 1.290%) 05/24/2027	305,000	305,588
HSBC Holdings PLC (4.583% to 6-19-28, then 3 month LIBOR + 1.535%) 06/19/2029	290,000	335,170
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	50,000	52,525
JPMorgan Chase & Co. (3.109% to 4-22-40, then SOFR + 2.460%) 04/22/2041	110,000	114,119
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	70,000	72,219
JPMorgan Chase & Co. (3.157% to 4-22-41, then SOFR + 1.460%) 04/22/2042	455,000	473,623
JPMorgan Chase & Co. (3.220% to 3-1-24, then 3 month LIBOR + 1.155%) 03/01/2025	295,000	313,388
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.945%) 01/23/2029	285,000	314,119

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
JPMorgan Chase & Co. (3.702% to 5-6-29, then 3 month LIBOR + 1.160%) 05/06/2030	\$ 280,000	\$ 312,671
JPMorgan Chase & Co. (3.797% to 7-23-23, then 3 month LIBOR + 0.890%) 07/23/2024	165,000	175,812
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	595,000	662,595
JPMorgan Chase & Co. (4.005% to 4-23-28, then 3 month LIBOR + 1.120%) 04/23/2029	315,000	356,120
Marsh & McLennan Companies, Inc. 3.875%, 03/15/2024	190,000	206,082
4.750%, 03/15/2039	120,000	153,226
Massachusetts Mutual Life Insurance Company 3.729%, 10/15/2070 (C)	49,000	51,972
MGIC Investment Corp. 5.750%, 08/15/2023	30,000	32,336
Morgan Stanley 3.125%, 07/27/2026	55,000	59,591
Morgan Stanley (1.593% to 5-4-26, then SOFR + 0.879%) 05/04/2027	295,000	297,087
Morgan Stanley (1.794% to 2-13-31, then SOFR + 1.034%) 02/13/2032	515,000	494,818
Morgan Stanley (1.928% to 4-28-31, then SOFR + 1.020%) 04/28/2032	350,000	340,210
Morgan Stanley (2.699% to 1-22-30, then SOFR + 1.143%) 01/22/2031	105,000	109,914
Morgan Stanley (3.591% to 7-22-27, then 3 month LIBOR + 1.340%) 07/22/2028	395,000	437,562
Morgan Stanley (4.431% to 1-23-29, then 3 month LIBOR + 1.628%) 01/23/2030	10,000	11,709
MSCI, Inc. 4.000%, 11/15/2029 (C)	15,000	15,825
5.375%, 05/15/2027 (C)	603,000	642,195
Navient Corp. 7.250%, 01/25/2022 to 09/25/2023	85,000	90,491
New York Life Global Funding 2.000%, 01/22/2025 (C)	420,000	435,367
NTT Finance Corp. 1.162%, 04/03/2026 (C)	400,000	399,080
Power Finance Corp., Ltd. 3.950%, 04/23/2030 (C)	515,000	529,809
Santander Holdings USA, Inc. 3.700%, 03/28/2022	200,000	204,130
State Street Corp. (2.354% to 11-1-24, then SOFR + 0.940%) 11/01/2025	105,000	110,360
State Street Corp. (2.901% to 3-30-25, then SOFR + 2.600%) 03/30/2026	130,000	138,801
The Bank of New York Mellon Corp. 2.100%, 10/24/2024	260,000	272,457
The Goldman Sachs Group, Inc. 6.750%, 10/01/2037	255,000	371,324
The Goldman Sachs Group, Inc. (1.992% to 1-27-31, then SOFR + 1.090%) 01/27/2032	115,000	111,687
The Goldman Sachs Group, Inc. (2.615% to 4-22-31, then SOFR + 1.281%) 04/22/2032	340,000	347,333

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The Goldman Sachs Group, Inc. (4.017% to 10-31-37, then 3 month LIBOR + 1.373%) 10/31/2038	\$ 235,000	\$ 275,565
The PNC Financial Services Group, Inc. 2.200%, 11/01/2024	70,000	73,422
2.550%, 01/22/2030	45,000	47,336
The Progressive Corp. 3.200%, 03/26/2030	155,000	170,186
Truist Bank 2.250%, 03/11/2030	620,000	628,998
UBS Group AG 2.650%, 02/01/2022 (C)	380,000	385,368
UBS Group AG (7.000% to 2-19-25, then 5 Year U.S. Swap Rate + 4.866%) 02/19/2025 (E)	200,000	230,500
UniCredit SpA 6.572%, 01/14/2022 (C)	350,000	360,802
Unum Group 4.000%, 06/15/2029	80,000	89,801
4.500%, 12/15/2049	120,000	127,239
Voya Financial, Inc. 4.800%, 06/15/2046	5,000	6,330
Wells Fargo & Company 3.000%, 04/22/2026 to 10/23/2026	310,000	333,755
3.750%, 01/24/2024	330,000	354,898
4.400%, 06/14/2046	60,000	72,325
4.900%, 11/17/2045	15,000	19,238
5.606%, 01/15/2044	15,000	20,499
Wells Fargo & Company (2.406% to 10-30-24, then SOFR + 1.087%) 10/30/2025	205,000	214,486
Wells Fargo & Company (5.013% to 4-4-50, then SOFR + 4.502%) 04/04/2051	105,000	143,833
Willis North America, Inc. 3.600%, 05/15/2024	115,000	123,536
		<u>22,947,865</u>
Health care – 3.1%		
AbbVie, Inc. 3.200%, 11/21/2029	265,000	287,802
4.250%, 11/21/2049	115,000	137,829
4.625%, 10/01/2042	85,000	104,826
Alcon Finance Corp. 2.750%, 09/23/2026 (C)	400,000	423,309
Amgen, Inc. 1.900%, 02/21/2025	65,000	67,295
2.300%, 02/25/2031	160,000	161,882
3.150%, 02/21/2040	105,000	109,410
3.375%, 02/21/2050	60,000	63,348
Anthem, Inc. 3.500%, 08/15/2024	130,000	140,023
Astrazeneca Finance LLC 1.750%, 05/28/2028	540,000	539,478
2.250%, 05/28/2031	40,000	40,574
Bausch Health Companies, Inc. 5.750%, 08/15/2027 (C)	50,000	53,069
Baxalta, Inc. 3.600%, 06/23/2022	11,000	11,288
Baxter International, Inc. 3.950%, 04/01/2030	115,000	132,367
Bayer US Finance II LLC 4.250%, 12/15/2025 (C)	260,000	289,730
Boston Scientific Corp. 1.900%, 06/01/2025	125,000	128,918
3.750%, 03/01/2026	355,000	393,618

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Bristol-Myers Squibb Company		
0.750%, 11/13/2025	\$ 320,000	\$ 317,218
2.550%, 11/13/2050	95,000	90,841
Centene Corp.		
3.375%, 02/15/2030	5,000	5,227
4.250%, 12/15/2027	50,000	52,688
4.625%, 12/15/2029	585,000	643,365
Cigna Corp.		
1.250%, 03/15/2026	450,000	451,318
CommonSpirit Health		
3.347%, 10/01/2029	45,000	48,736
CVS Health Corp.		
4.125%, 04/01/2040	235,000	272,609
5.125%, 07/20/2045	85,000	110,555
Gilead Sciences, Inc.		
1.650%, 10/01/2030	400,000	386,647
GlaxoSmithKline Capital, Inc.		
3.625%, 05/15/2025	325,000	358,866
HCA, Inc.		
2.375%, 07/15/2031	410,000	404,802
3.500%, 09/01/2030	40,000	42,615
Hill-Rom Holdings, Inc.		
4.375%, 09/15/2027 (C)	30,000	31,050
Kaiser Foundation Hospitals		
2.810%, 06/01/2041	100,000	101,994
3.002%, 06/01/2051	165,000	170,290
Pfizer, Inc.		
2.625%, 04/01/2030	90,000	95,847
Rede D'or Finance Sarl		
4.500%, 01/22/2030 (C)	680,000	697,000
Royalty Pharma PLC		
3.300%, 09/02/2040 (C)	55,000	55,384
Sutter Health		
3.361%, 08/15/2050	110,000	116,738
Teleflex, Inc.		
4.250%, 06/01/2028 (C)	25,000	26,063
Teva Pharmaceutical Finance		
Netherlands III BV		
3.150%, 10/01/2026	345,000	328,181
UnitedHealth Group, Inc.		
2.375%, 08/15/2024	170,000	178,829
2.750%, 05/15/2040	140,000	141,779
3.500%, 08/15/2039	100,000	111,759
4.750%, 07/15/2045	50,000	65,497
		8,390,664
Industrials – 2.2%		
Ashtead Capital, Inc.		
4.375%, 08/15/2027 (C)	605,000	633,738
BOC Aviation USA Corp.		
1.625%, 04/29/2024 (C)	605,000	609,760
Builders FirstSource, Inc.		
5.000%, 03/01/2030 (C)	225,000	236,576
BWX Technologies, Inc.		
4.125%, 04/15/2029 (C)	55,000	55,963
Clean Harbors, Inc.		
4.875%, 07/15/2027 (C)	625,000	654,688
5.125%, 07/15/2029 (C)	25,000	27,188
DAE Funding LLC		
1.550%, 08/01/2024 (C)	435,000	434,117
4.500%, 08/01/2022 (C)	5,000	5,008
5.000%, 08/01/2024 (C)	5,000	5,135
Equifax, Inc.		
2.600%, 12/15/2025	133,000	139,972
General Dynamics Corp.		
4.250%, 04/01/2040	95,000	116,252

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
International Airport Finance SA		
12.000%, 03/15/2033 (C)	\$ 329,236	\$ 346,932
L3Harris Technologies, Inc.		
3.850%, 06/15/2023	260,000	276,357
Northrop Grumman Corp.		
5.150%, 05/01/2040	170,000	223,082
Otis Worldwide Corp.		
2.565%, 02/15/2030	310,000	321,051
Penske Truck Leasing Company LP		
2.700%, 11/01/2024 (C)	250,000	262,907
4.000%, 07/15/2025 (C)	170,000	187,221
Raytheon Technologies Corp.		
3.650%, 08/16/2023	4,000	4,245
3.950%, 08/16/2025	60,000	66,731
4.450%, 11/16/2038	130,000	157,302
4.625%, 11/16/2048	35,000	45,026
Sensata Technologies BV		
5.000%, 10/01/2025 (C)	75,000	83,531
The Boeing Company		
5.040%, 05/01/2027	220,000	253,842
5.150%, 05/01/2030	135,000	159,861
Trane Technologies Luxembourg Finance SA		
4.500%, 03/21/2049	40,000	50,233
Union Pacific Corp.		
2.375%, 05/20/2031	290,000	295,897
2.973%, 09/16/2062	240,000	230,638
United Airlines, Inc.		
4.625%, 04/15/2029 (C)	45,000	46,575
United Rentals North America, Inc.		
4.000%, 07/15/2030	35,000	36,050
5.500%, 05/15/2027	65,000	68,900
Waste Management, Inc.		
2.000%, 06/01/2029	75,000	75,798
		6,110,576
Information technology – 3.9%		
Apple, Inc.		
2.200%, 09/11/2029	365,000	379,468
2.650%, 05/11/2050	60,000	58,910
3.450%, 02/09/2045	45,000	50,260
3.850%, 05/04/2043	25,000	29,708
4.375%, 05/13/2045	35,000	44,623
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (C)	824,000	819,847
Booz Allen Hamilton, Inc.		
3.875%, 09/01/2028 (C)	510,000	520,200
4.000%, 07/01/2029 (C)	80,000	81,800
Broadcom, Inc.		
3.419%, 04/15/2033 (C)	420,000	441,069
3.469%, 04/15/2034 (C)	46,000	48,657
5.000%, 04/15/2030	590,000	696,065
CDK Global, Inc.		
5.250%, 05/15/2029 (C)	83,000	90,587
CDW LLC		
3.250%, 02/15/2029	310,000	314,092
4.125%, 05/01/2025	230,000	240,350
4.250%, 04/01/2028	20,000	21,000
Entegris, Inc.		
3.625%, 05/01/2029 (C)	20,000	20,250
4.375%, 04/15/2028 (C)	40,000	41,750
Fair Isaac Corp.		
4.000%, 06/15/2028 (C)	18,000	18,606
Fidelity National Information Services, Inc.		
2.250%, 03/01/2031	120,000	119,785

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Fiserv, Inc.		
2.250%, 06/01/2027	\$ 50,000	\$ 51,867
3.200%, 07/01/2026	205,000	221,846
Gartner, Inc.		
3.625%, 06/15/2029 (C)	50,000	50,750
3.750%, 10/01/2030 (C)	143,000	146,305
4.500%, 07/01/2028 (C)	193,000	203,831
Go Daddy Operating Company LLC		
3.500%, 03/01/2029 (C)	45,000	44,708
5.250%, 12/01/2027 (C)	454,000	476,700
HP, Inc.		
2.200%, 06/17/2025	135,000	140,121
3.000%, 06/17/2027	105,000	112,444
IBM Corp.		
3.500%, 05/15/2029	275,000	307,752
Intel Corp.		
3.100%, 02/15/2060	175,000	178,796
Leidos, Inc.		
3.625%, 05/15/2025	130,000	141,271
Marvell Technology, Inc.		
2.450%, 04/15/2028 (C)	245,000	249,706
2.950%, 04/15/2031 (C)	190,000	196,910
Mastercard, Inc.		
2.950%, 03/15/2051	110,000	114,926
Microchip Technology, Inc.		
2.670%, 09/01/2023	370,000	385,362
4.250%, 09/01/2025	10,000	10,499
Microsoft Corp.		
3.041%, 03/17/2062	149,000	158,946
Nokia OYJ		
4.375%, 06/12/2027	130,000	143,599
6.625%, 05/15/2039	40,000	51,800
NortonLifeLock, Inc.		
5.000%, 04/15/2025 (C)	530,000	537,404
NVIDIA Corp.		
3.500%, 04/01/2040	185,000	209,841
NXP BV		
4.300%, 06/18/2029 (C)	25,000	28,663
4.875%, 03/01/2024 (C)	285,000	313,729
5.350%, 03/01/2026 (C)	115,000	134,187
5.550%, 12/01/2028 (C)	95,000	116,661
Oracle Corp.		
2.300%, 03/25/2028	385,000	395,013
2.875%, 03/25/2031	225,000	234,018
3.600%, 04/01/2040	35,000	36,917
3.850%, 04/01/2060	465,000	493,705
3.950%, 03/25/2051	80,000	87,319
4.100%, 03/25/2061	115,000	127,500
Qorvo, Inc.		
3.375%, 04/01/2031 (C)	15,000	15,633
QUALCOMM, Inc.		
4.650%, 05/20/2035	10,000	12,715
4.800%, 05/20/2045	110,000	146,214
SS&C Technologies, Inc.		
5.500%, 09/30/2027 (C)	262,000	277,641
Western Digital Corp.		
4.750%, 02/15/2026	20,000	22,225
Xerox Holdings Corp.		
5.500%, 08/15/2028 (C)	40,000	41,560
		10,656,111
Materials – 1.3%		
Ball Corp.		
4.000%, 11/15/2023	570,000	603,419
Commercial Metals Company		
5.375%, 07/15/2027	20,000	21,150

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
DuPont de Nemours, Inc.		
4.205%, 11/15/2023	\$ 340,000	\$ 368,326
FS Luxembourg Sarl		
10.000%, 12/15/2025 (C)	200,000	223,752
Kaiser Aluminum Corp.		
4.625%, 03/01/2028 (C)	20,000	20,663
LYB International Finance III LLC		
1.250%, 10/01/2025	170,000	169,575
3.800%, 10/01/2060	55,000	58,152
Metinvest BV		
5.625%, 06/17/2025 (C)	EUR 195,000	244,482
Olin Corp.		
5.125%, 09/15/2027	\$ 45,000	46,800
Standard Industries, Inc.		
3.375%, 01/15/2031 (C)	40,000	38,288
4.375%, 07/15/2030 (C)	410,000	422,813
Suzano Austria GmbH		
3.125%, 01/15/2032	435,000	430,811
5.000%, 01/15/2030	500,000	566,500
The Chemours Company		
5.375%, 05/15/2027 (D)	45,000	48,806
Vale Overseas, Ltd.		
3.750%, 07/08/2030	135,000	143,735
		3,407,272
Real estate – 0.7%		
American Tower Corp.		
1.500%, 01/31/2028	45,000	43,757
2.400%, 03/15/2025	135,000	141,054
Equinix, Inc.		
2.000%, 05/15/2028	90,000	90,387
2.500%, 05/15/2031	195,000	198,321
GLP Capital LP		
4.000%, 01/15/2031	280,000	301,694
5.300%, 01/15/2029	130,000	151,450
5.750%, 06/01/2028	130,000	154,682
SBA Tower Trust		
2.836%, 01/15/2025 (C)	300,000	314,720
3.448%, 03/15/2023 (C)	435,000	443,335
VEREIT Operating Partnership LP		
2.200%, 06/15/2028	15,000	15,220
2.850%, 12/15/2032	15,000	15,669
3.400%, 01/15/2028	60,000	65,251
VICI Properties LP		
4.250%, 12/01/2026 (C)	10,000	10,402
		1,945,942
Utilities – 3.1%		
Alabama Power Company		
3.450%, 10/01/2049	170,000	184,516
4.150%, 08/15/2044	105,000	125,871
American Water Capital Corp.		
4.150%, 06/01/2049	110,000	133,426
AmeriGas Partners LP		
5.625%, 05/20/2024	20,000	21,850
5.875%, 08/20/2026	40,000	44,786
Berkshire Hathaway Energy Company		
1.650%, 05/15/2031	55,000	52,788
3.250%, 04/15/2028	20,000	21,983
Centrais Eletricas Brasileiras SA		
3.625%, 02/04/2025 (C)	200,000	205,750
Cleco Corporate Holdings LLC		
3.375%, 09/15/2029	140,000	144,542
4.973%, 05/01/2046	10,000	11,955
Commonwealth Edison Company		
3.650%, 06/15/2046	175,000	198,986

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Dominion Energy South Carolina, Inc. 5.100%, 06/01/2065	\$ 50,000	\$ 72,217
Duke Energy Carolinas LLC 2.550%, 04/15/2031 3.450%, 04/15/2051	105,000 65,000	109,010 72,069
Duke Energy Corp. 2.550%, 06/15/2031	435,000	440,187
Duke Energy Florida LLC 3.400%, 10/01/2046	75,000	81,599
Duke Energy Indiana LLC 2.750%, 04/01/2050 3.250%, 10/01/2049	195,000 105,000	188,720 110,912
Duke Energy Progress LLC 3.700%, 10/15/2046	125,000	141,126
Duquesne Light Holdings, Inc. 2.775%, 01/07/2032 (C)	130,000	131,001
Evergy, Inc. 2.450%, 09/15/2024 2.900%, 09/15/2029	90,000 175,000	94,252 185,450
Exelon Corp. 3.950%, 06/15/2025	210,000	231,076
FirstEnergy Corp. 1.600%, 01/15/2026 2.250%, 09/01/2030 3.400%, 03/01/2050 5.350%, 07/15/2047	35,000 175,000 140,000 65,000	34,213 167,793 136,850 78,000
Georgia Power Company 2.100%, 07/30/2023 4.300%, 03/15/2042	255,000 200,000	263,330 235,669
IPALCO Enterprises, Inc. 3.700%, 09/01/2024 4.250%, 05/01/2030	175,000 445,000	188,281 499,761
ITC Holdings Corp. 2.950%, 05/14/2030 (C)	220,000	231,542
Jersey Central Power & Light Company 2.750%, 03/01/2032 (C)	125,000	126,886
MidAmerican Energy Company 3.150%, 04/15/2050 3.650%, 08/01/2048	115,000 45,000	122,829 51,333
NiSource, Inc. 3.490%, 05/15/2027	210,000	230,979
NRG Energy, Inc. 2.000%, 12/02/2025 (C) 2.450%, 12/02/2027 (C)	190,000 190,000	192,731 191,222
Oglethorpe Power Corp. 3.750%, 08/01/2050 5.050%, 10/01/2048	35,000 135,000	36,941 169,722
Oncor Electric Delivery Company LLC 5.750%, 03/15/2029	70,000	87,958
Pacific Gas & Electric Company 2.500%, 02/01/2031	430,000	403,145
PacificCorp 4.125%, 01/15/2049 4.150%, 02/15/2050	33,000 45,000	39,464 54,703
Public Service Electric & Gas Company 3.800%, 03/01/2046	50,000	58,807
Public Service Enterprise Group, Inc. 2.875%, 06/15/2024	220,000	233,263
Puget Energy, Inc. 3.650%, 05/15/2025 4.100%, 06/15/2030	250,000 155,000	269,009 173,470
Sempra Energy 3.400%, 02/01/2028 3.800%, 02/01/2038 4.000%, 02/01/2048	200,000 85,000 25,000	219,764 94,370 28,042

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
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	\$ 83,575 155,729 35,003 75,737
The AES Corp. 3.300%, 07/15/2025 (C)	175,000	186,743
The Southern Company 2.950%, 07/01/2023	70,000	73,030
Zorlu Yenilenebilir Enerji AS 9.000%, 06/01/2026 (C)	285,000	284,195
		8,518,161
TOTAL CORPORATE BONDS (Cost \$81,865,694)		\$ 86,433,692
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	35,250 189,271 226,874
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	90,000	101,419
County of Riverside (California) 2.963%, 02/15/2027 3.070%, 02/15/2028	600,000 600,000	648,278 652,633
Metropolitan Transportation Authority (New York) 4.750%, 11/15/2045 5.175%, 11/15/2049	255,000 705,000	313,637 951,726
Municipal Electric Authority of Georgia 6.637%, 04/01/2057	196,000	296,995
New York Transportation Development Corp. 4.248%, 09/01/2035	785,000	869,652
Philadelphia Authority for Industrial Development (Pennsylvania) 6.550%, 10/15/2028	675,000	877,283
State Board of Administration Finance Corp. (Florida) 1.258%, 07/01/2025	510,000	514,900
State of California, GO 7.300%, 10/01/2039 (D)	30,000	48,012
State of Connecticut, GO 3.000%, 07/01/2021	20,000	20,000
State of Illinois, GO 4.950%, 06/01/2023 (D) 5.000%, 01/01/2023 5.947%, 04/01/2022	246,818 40,000 120,000	263,794 41,989 124,537
TOTAL MUNICIPAL BONDS (Cost \$5,492,732)		\$ 6,176,250
TERM LOANS (F) – 3.3%		
Communication services – 0.2%		
Clear Channel Outdoor Holdings, Inc., Term Loan B (3 month LIBOR + 3.500%) 3.686%, 08/21/2026	137,550	134,169
CSC Holdings LLC, 2019 Term Loan B5 (1 month LIBOR + 2.500%) 2.573%, 04/15/2027	97,516	96,488
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%) 3.500%, 02/01/2024	131,829	131,026

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Communication services (continued)		
Terrier Media Buyer, Inc., 2021 Term Loan (1 month LIBOR + 3.500%) 3.604%, 12/17/2026	\$ 108,356	\$ 107,753
		469,436
Consumer discretionary – 0.6%		
APX Group, Inc., 2020 Term Loan (Prime rate + 4.000%) 7.250%, 12/31/2025	195,525	195,801
Boyd Gaming Corp., Term Loan B3 (1 week LIBOR + 2.250%) 2.338%, 09/15/2023	68,761	68,648
Caesars Resort Collection LLC, 2017 1st Lien Term Loan B (1 month LIBOR + 2.750%) 2.854%, 12/23/2024	107,395	106,417
Clarios Global LP, 2021 USD Term Loan B (1 month LIBOR + 3.250%) 3.354%, 04/30/2026	90,865	89,957
Golden Entertainment, Inc., 2017 1st Lien Term Loan (1 month LIBOR + 3.000%) 3.750%, 10/21/2024	113,281	112,432
KFC Holding Company, 2021 Term Loan B (1 month LIBOR + 1.750%) 1.833%, 03/15/2028	97,369	97,334
MajorDrive Holdings IV LLC, Term Loan B (3 month LIBOR + 4.000%) 4.500%, 05/12/2028	100,000	100,031
New Red Finance, Inc., Term Loan B4 (1 month LIBOR + 1.750%) 1.854%, 11/19/2026	687,248	677,262
Staples, Inc., 7 Year Term Loan (3 month LIBOR + 5.000%) 5.176%, 04/16/2026	125,807	122,427
Verisure Holding AB, 2020 EUR Term Loan B (3 month EURIBOR + 3.500%) 3.500%, 07/20/2026	EUR 115,000	135,929
		1,706,238
Consumer staples – 0.2%		
Brightview Landscapes LLC, 2018 1st Lien Term Loan B (1 month LIBOR + 2.500%) 2.625%, 08/15/2025	\$ 168,348	167,296
Coty, Inc., 2018 USD Term Loan B (1 month LIBOR + 2.250%) 2.331%, 04/07/2025	102,850	98,873
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month LIBOR + 3.750%) 4.500%, 10/01/2026	198,004	198,610
		464,779
Financials – 0.1%		
Asurion LLC, 2018 Term Loan B6 (1 month LIBOR + 3.000%) 3.104%, 11/03/2023	124,076	123,378
Asurion LLC, 2020 Term Loan B8 (1 month LIBOR + 3.250%) 3.354%, 12/23/2026	99,500	98,319
Sedgwick Claims Management Services, Inc., 2019 Term Loan B (1 month LIBOR + 3.750%) 3.845%, 09/03/2026	132,300	132,006
		353,703
Health care – 0.5%		
ADMI Corp., 2021 Term Loan B2 (1 month LIBOR + 2.750%) 3.250%, 12/23/2027	99,750	98,566

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Health care (continued)		
Bausch Health Americas, Inc., 2018 Term Loan B (1 month LIBOR + 3.000%) 3.104%, 06/02/2025	\$ 72,243	\$ 71,909
Change Healthcare Holdings LLC, 2017 Term Loan B (1 month LIBOR + 2.500%) 3.500%, 03/01/2024	102,743	102,609
Elanco Animal Health, Inc., Term Loan B (1 month LIBOR + 1.750%) 1.842%, 08/02/2027	391,680	385,479
Endo Luxembourg Finance Company I Sarl, 2021 Term Loan (3 month LIBOR + 5.000%) 5.750%, 03/10/2028	144,486	139,203
Jazz Financing Lux Sarl, USD Term Loan (1 month LIBOR + 3.500%) 4.000%, 04/21/2028	100,000	100,281
MPH Acquisition Holdings LLC, 2016 Term Loan B (3 month LIBOR + 2.750%) 3.750%, 06/07/2023	84,330	84,081
Pathway Vet Alliance LLC, 2021 Term Loan (1 month LIBOR + 3.750%) 3.854%, 03/31/2027	98,791	98,489
Zelis Payments Buyer, Inc., 2021 Term Loan (1 month LIBOR + 3.500%) 3.592%, 09/30/2026	124,375	123,940
		1,204,557
Industrials – 0.8%		
Altra Industrial Motion Corp., 2018 Term Loan B (1 month LIBOR + 2.000%) 2.104%, 10/01/2025	120,189	119,400
American Builders & Contractors Supply Company, Inc., 2019 Term Loan (1 month LIBOR + 2.000%) 2.104%, 01/15/2027	396,970	393,893
AVSC Holding Corp., 2020 Term Loan B1 (3 month LIBOR + 3.250%) 4.250%, 03/03/2025	73,025	66,834
Brand Industrial Services, Inc., 2017 Term Loan (3 month LIBOR + 4.250%) 5.250%, 06/21/2024	192,000	188,730
Gardner Denver, Inc., 2020 USD Term Loan B2 (1 month LIBOR + 1.750%) 1.854%, 03/01/2027	122,765	121,264
Ingersoll-Rand Services Company, 2020 USD Spingo Term Loan (1 month LIBOR + 1.750%) 1.854%, 03/01/2027	396,985	392,134
Quikrete Holdings, Inc., 2021 Term Loan B1 05/12/2028 TBD (G)	100,000	99,156
RBS Global, Inc., 2019 Term Loan B (1 month LIBOR + 1.750%) 1.854%, 08/21/2024	50,146	50,074
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 3.250%) 3.345%, 02/06/2026	198,254	197,231
TK Elevator U.S. Newco, Inc., USD Term Loan B (6 month LIBOR + 4.250%) 4.478%, 07/30/2027	174,126	174,199
Trans Union LLC, 2019 Term Loan B5 (1 month LIBOR + 1.750%) 1.854%, 11/16/2026	354,877	352,265

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Industrials (continued)		
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%) 2.354%, 05/30/2025	\$ 96,465	\$ 95,035
		2,250,215
Information technology – 0.8%		
Fleetcor Technologies Operating Company LLC, 2021 Term Loan B4 04/28/2028 TBD (G)	260,000	259,459
Gainwell Acquisition Corp., Term Loan B (3 month LIBOR + 4.000%) 4.750%, 10/01/2027	99,749	99,974
Go Daddy Operating Company LLC, 2017 Repriced Term Loan (1 month LIBOR + 1.750%) 1.854%, 02/15/2024	390,920	387,648
Peraton Corp., Term Loan B (1 month LIBOR + 3.750%) 4.500%, 02/01/2028	99,750	99,957
Science Applications International Corp., 2018 Term Loan B (1 month LIBOR + 1.875%) 1.979%, 10/31/2025	392,985	391,759
Solera LLC, USD Term Loan B (6 month LIBOR + 4.000%) 4.500%, 06/02/2028	100,000	100,238
SS&C Technologies, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%) 1.854%, 04/16/2025	118,091	116,615
SS&C Technologies, Inc., 2018 Term Loan B4 (1 month LIBOR + 1.750%) 1.854%, 04/16/2025	89,721	88,599
SS&C Technologies, Inc., 2018 Term Loan B5 (1 month LIBOR + 1.750%) 1.854%, 04/16/2025	99,198	98,005
UKG, Inc., Term Loan B (1 month LIBOR + 3.750%) 3.854%, 05/04/2026	98,250	98,260
WEX, Inc., 2021 Term Loan (1 month LIBOR + 2.250%) 2.354%, 03/31/2028	453,863	450,177
		2,190,691
Materials – 0.1%		
Axalta Coating Systems US Holdings, Inc., USD Term Loan B3 (3 month LIBOR + 1.750%) 1.897%, 06/01/2024	198,239	196,859
Pactiv Evergreen Group Holdings, Inc., USD 2017 Term Loan (1 month LIBOR + 2.750%) 2.854%, 02/05/2023	43,598	43,489
ProAmpac PG Borrower LLC, 2020 Term Loan (3 month LIBOR + 4.000%) 4.084%, 11/03/2025	100,000	99,825
		340,173
TOTAL TERM LOANS (Cost \$8,999,778)		\$ 8,979,792
COLLATERALIZED MORTGAGE OBLIGATIONS – 15.5%		
Commercial and residential – 12.3%		
Alternative Loan Trust Series 2005-27, Class 2A1 (12 month Treasury Average Index + 1.350%), 1.477%, 08/25/2035 (H)	139,579	125,794
Series 2005-56, Class 5A1 (1 month LIBOR + 0.640%), 0.412%, 11/25/2035 (H)	66,337	59,142

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Alternative Loan Trust (continued)		
Series 2005-72, Class A1 (1 month LIBOR + 0.540%), 0.362%, 01/25/2036 (H)	\$ 19,823	\$ 19,732
Series 2005-7CB, Class 2A8 (1 month LIBOR + 0.450%), 0.542%, 03/01/2038 (H)	116,538	97,640
Series 2006-9T1, Class A1, 5.750%, 05/25/2036	73,759	46,585
American Home Mortgage Assets Trust		
Series 2006-3, Class 2A11 (12 month Treasury Average Index + 0.940%), 1.082%, 10/25/2046 (H)	37,831	30,777
Series 2007-2, Class A1 (1 month LIBOR + 0.125%), 0.231%, 03/25/2047 (H)	18,271	17,490
Angel Oak Mortgage Trust LLC		
Series 2019-2, Class A1, 3.628%, 03/25/2049 (C)(I)	61,375	62,095
Series 2019-3, Class A1, 2.930%, 05/25/2059 (C)(I)	276,527	277,807
Series 2020-R1, Class A1, 0.990%, 04/25/2053 (C)(I)	373,284	373,227
Series 2021-2, Class A1, 0.985%, 04/25/2066 (C)(I)	304,680	304,368
Arroyo Mortgage Trust		
Series 2019-2, Class A1 3.347%, 04/25/2049 (C)(I)	429,297	436,601
BANK		
Series 2017-BNK8, Class XA IO, 0.732%, 11/15/2050	4,446,516	177,657
Series 2019-BN18, Class XA IO, 0.901%, 05/15/2062	1,418,925	85,426
Series 2019-BN20, Class XA IO, 0.836%, 09/15/2062	2,446,682	142,440
Series 2019-BN22, Class XA IO, 0.601%, 11/15/2062	2,445,505	106,469
Series 2019-BN23, Class XA IO, 0.698%, 12/15/2052	1,927,030	99,213
Series 2019-BN24, Class XA IO, 0.647%, 11/15/2062	1,188,675	57,160
Series 2020-BN28, Class XA IO, 1.785%, 03/15/2063	2,603,344	355,208
Series 2021-BN31, Class A4, 2.036%, 02/15/2054	285,000	285,122
BBCMS Mortgage Trust		
Series 2017-C1, Class XA IO, 1.452%, 02/15/2050	3,278,075	210,881
Series 2017-DELC, Class A (1 month LIBOR + 0.850%), 0.951%, 08/15/2036 (C)(H)	949,000	949,879
BBCMS Trust		
Series 2013-TYSN, Class A2 3.756%, 09/05/2032 (C)	318,518	318,884
BCAP LLC Trust		
Series 2006-AA2, Class A1 (1 month LIBOR + 0.170%), 0.276%, 01/25/2037 (H)	104,140	102,605
Bear Stearns ALT-A Trust		
Series 2005-10, Class 11A1 (1 month LIBOR + 0.500%), 0.606%, 01/25/2036 (H)	107,423	134,665

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Bear Stearns Mortgage Funding Trust Series 2006-AR3, Class 1A1 (1 month LIBOR + 0.180%) 0.286%, 10/25/2036 (H)	\$ 9,334	\$ 8,870
Bellemeade Re. Ltd. Series 2019-1A, Class M1A (1 month LIBOR + 1.300%), 1.406%, 03/25/2029 (C)(H)	25,755	25,755
Series 2019-3A, Class M1A (1 month LIBOR + 1.100%), 1.206%, 07/25/2029 (C)(H)	48,222	48,283
Series 2019-4A, Class M1A (1 month LIBOR + 1.400%), 1.506%, 10/25/2029 (C)(H)	230,614	230,614
Benchmark Mortgage Trust Series 2018-B1, Class XA IO, 0.512%, 01/15/2051	1,332,835	36,223
Series 2018-B4, Class XA IO, 0.514%, 07/15/2051	2,335,355	60,598
Series 2018-B8, Class XA IO, 0.663%, 01/15/2052	4,904,424	195,608
Series 2019-B10, Class XA IO, 1.228%, 03/15/2062	3,191,540	242,088
Series 2019-B12, Class XA IO, 1.064%, 08/15/2052	1,094,230	67,678
Series 2020-B18, Class XA IO, 1.793%, 07/15/2053	699,390	78,937
Series 2020-B22, Class XA IO, 1.522%, 01/15/2054	1,164,908	139,243
Bravo Residential Funding Trust Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (C)(I)	202,148	201,687
BX Commercial Mortgage Trust Series 2019-XL, Class A (1 month LIBOR + 0.920%) 1.021%, 10/15/2036 (C)(H)	597,475	598,256
CAMB Commercial Mortgage Trust Series 2019-LIFE, Class F (1 month LIBOR + 2.550%) 2.651%, 12/15/2037 (C)(H)	355,000	355,884
Century Plaza Towers Series 2019-CPT, Class A 2.865%, 11/13/2039 (C)	345,000	367,489
Chase Mortgage Finance Trust Series 2005-S3, Class A10 5.500%, 11/25/2035	120,140	112,710
CHL Mortgage Pass-Through Trust Series 2005-2, Class 2A3 (1 month LIBOR + 0.680%), 0.432%, 03/25/2035 (H)	31,774	29,667
Series 2007-HY4, Class 1A1, 3.024%, 09/25/2047 (I)	85,173	81,649
CIM Trust Series 2017-7, Class A 3.000%, 04/25/2057 (C)(I)	269,528	273,935
Citigroup Commercial Mortgage Trust Series 2014-GC23, Class XA IO, 0.937%, 07/10/2047	1,740,792	42,271
Series 2015-GC29, Class XA IO, 1.035%, 04/10/2048	1,650,724	55,809
Series 2016-C3, Class C, 4.122%, 11/15/2049 (I)	288,000	300,566

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
COLT Mortgage Loan Trust Series 2019-4, Class A1 2.579%, 11/25/2049 (C)(I)	\$ 183,068	\$ 183,759
Commercial Mortgage Trust (Bank of America Merrill Lynch/Deutsche Bank AG) Series 2013-WWP, Class A2 3.424%, 03/10/2031 (C)	800,000	835,507
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2014-CR16, Class A4, 4.051%, 04/10/2047	480,000	518,251
Series 2014-CR17, Class A5, 3.977%, 05/10/2047	390,000	422,030
Commercial Mortgage Trust (Deutsche Bank AG) Series 2013-300P, Class A1, 4.353%, 08/10/2030 (C)	260,000	275,404
Series 2015-3BP, Class A, 3.178%, 02/10/2035 (C)	580,000	618,772
Series 2019-WCM, Class A (1 month LIBOR + 0.900%), 1.001%, 10/15/2034 (C)(H)	512,677	512,983
Credit Suisse Mortgage Capital Certificates Series 2017-FHA1, Class A1, 3.250%, 04/25/2047 (C)(I)	199,555	210,157
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (C)(I)	575,822	575,943
Series 2021-RPL4, Class A1, 1.796%, 12/27/2060 (C)(I)	187,027	187,289
CSAIL Commercial Mortgage Trust Series 2015-C1, Class A4, 3.505%, 04/15/2050	15,000	16,146
Series 2015-C2, Class XA IO, 0.747%, 06/15/2057	5,007,855	118,571
Series 2016-C6, Class XA IO, 1.914%, 01/15/2049	1,085,804	80,357
DBJPM Mortgage Trust Series 2020-C9, Class XA IO 1.713%, 09/15/2053	529,385	54,186
Deephaven Residential Mortgage Trust Series 2019-3A, Class A1, 2.964%, 07/25/2059 (C)(I)	282,373	283,210
Series 2021-2, Class A1, 0.899%, 04/25/2066 (C)(I)	171,505	171,342
Deutsche Alt-A Securities Mortgage Loan Trust Series 2007-AR2, Class A1 (1 month LIBOR + 0.150%) 0.242%, 03/25/2037 (H)	50,534	50,541
Ellington Financial Mortgage Trust Series 2021-2, Class A1 0.931%, 06/25/2066 (C)(I)	150,479	150,124
GCAT Trust Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (C)(I)	336,337	335,645
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (C)(I)	460,000	460,365
GMACM Mortgage Loan Trust Series 2006-AR1, Class 1A1 3.051%, 04/19/2036 (I)	113,976	99,590

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GS Mortgage Securities Trust Series 2012-ALOH, Class A, 3.551%, 04/10/2034 (C)	\$ 670,000	\$ 677,363
Series 2014-GC20, Class A5, 3.998%, 04/10/2047	395,000	424,427
GSR Mortgage Loan Trust Series 2006-AR1, Class 2A1, 2.953%, 01/25/2036 (I)	4,485	4,580
Series 2007-1F, Class 4A1 (1 month LIBOR + 0.300%), 0.406%, 01/25/2037 (H)	85,007	21,786
HarborView Mortgage Loan Trust Series 2005-8, Class 1A2A (1 month LIBOR + 0.660%), 0.775%, 09/19/2035 (H)	27,482	23,070
Series 2006-12, Class 2A13 (1 month LIBOR + 0.240%), 0.338%, 12/19/2036 (H)	164,091	160,971
Series 2006-12, Class 2A2A (1 month LIBOR + 0.190%), 0.288%, 01/19/2038 (H)	60,908	58,398
Series 2007-7, Class 2A1B (1 month LIBOR + 1.000%), 1.106%, 10/25/2037 (H)	64,361	62,015
Home Re, Ltd. Series 2018-1, Class M1 (1 month LIBOR + 1.600%) 1.706%, 10/25/2028 (C)(H)	108,016	108,053
IndyMac INDA Mortgage Loan Trust Series 2006-AR3, Class 1A1 3.002%, 12/25/2036 (I)	47,354	45,237
JPMBB Commercial Mortgage Securities Trust Series 2014-C19, Class A4 3.997%, 04/15/2047	395,000	424,379
JPMorgan Chase Commercial Mortgage Securities Trust Series 2020-NNN, Class AFX 2.812%, 01/16/2037 (C)	160,000	164,912
JPMorgan Mortgage Trust Series 2006-A3, Class 3A2 3.148%, 05/25/2036 (I)	9,314	8,405
Legacy Mortgage Asset Trust Series 2019-GS6, Class A1, 3.000%, 06/25/2059 (C)	377,459	378,559
Series 2019-GS7, Class A1, 3.250%, 11/25/2059 (C)	480,333	483,122
Series 2021-GS2, Class A1, 1.750%, 04/25/2061 (C)	191,694	191,890
Series 2021-GS3, Class A1, 1.750%, 07/25/2061 (C)	237,487	236,893
Lehman XS Trust Series 2006-16N, Class A4A (1 month LIBOR + 0.190%) 0.282%, 11/25/2046 (H)	131,190	123,707
LSTAR Securities Investment Trust Series 2019-3, Class A1 (1 month LIBOR + 2.500%), 2.610%, 04/01/2024 (C)(H)	180,169	179,269
Series 2019-4, Class A1 (1 month LIBOR + 2.500%), 2.610%, 05/01/2024 (C)(H)	410,863	408,984

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
LSTAR Securities Investment Trust (continued) Series 2021-1, Class A (1 month LIBOR + 1.800%), 1.910%, 02/01/2026 (C)(H)	\$ 411,152	\$ 412,109
Luminent Mortgage Trust Series 2006-4, Class A1A (1 month LIBOR + 0.380%) 0.486%, 05/25/2046 (H)	123,336	112,642
MASTR Adjustable Rate Mortgages Trust Series 2004-13, Class 3A7 2.969%, 11/21/2034 (I)	18,763	18,946
MFA Trust Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (C)(I)	80,131	80,190
Series 2021-NQM1, Class A1, 1.153%, 04/25/2065 (C)(I)	336,671	336,136
Morgan Stanley Bank of America Merrill Lynch Trust Series 2014-C19, Class XA IO 0.999%, 12/15/2047	1,016,443	28,352
Morgan Stanley Capital I Trust Series 2014-150E, Class A, 3.912%, 09/09/2032 (C)	610,000	655,151
Series 2017-H1, Class XA IO, 1.351%, 06/15/2050	707,493	40,666
Mortgage Insurance-Linked Notes Series 2019-1, Class M1 (1 month LIBOR + 1.900%) 1.992%, 11/26/2029 (C)(H)	171,795	171,795
MTRO Commercial Mortgage Trust Series 2019-TECH, Class D (1 month LIBOR + 1.800%) 1.901%, 12/15/2033 (C)(H)	300,000	298,982
Natixis Commercial Mortgage Securities Trust Series 2019-1776, Class C 2.906%, 10/15/2036 (C)	185,000	185,538
New Residential Mortgage Loan Trust Series 2016-2A, Class A1, 3.750%, 11/26/2035 (C)(I)	264,206	279,766
Series 2016-4A, Class A1, 3.750%, 11/25/2056 (C)(I)	285,052	302,677
Series 2017-1A, Class A1, 4.000%, 02/25/2057 (C)(I)	504,538	536,608
Series 2017-2A, Class A3, 4.000%, 03/25/2057 (C)(I)	466,175	497,669
Series 2017-3A, Class A1, 4.000%, 04/25/2057 (C)(I)	373,077	399,292
Series 2017-4A, Class A1, 4.000%, 05/25/2057 (C)(I)	274,747	292,458
Series 2017-5A, Class A1 (1 month LIBOR + 1.500%), 1.606%, 06/25/2057 (C)(H)	272,311	275,802
Series 2017-6A, Class A1, 4.000%, 08/27/2057 (C)(I)	438,080	468,611
Series 2018-1A, Class A1A, 4.000%, 12/25/2057 (C)(I)	186,465	199,697
Series 2018-4A, Class A1S (1 month LIBOR + 0.750%), 0.842%, 01/25/2048 (C)(H)	368,420	369,104

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
New Residential Mortgage		
Loan Trust (continued)		
Series 2019-5A, Class A1B, 3.500%, 08/25/2059 (C)(I)	\$ 293,346	\$ 305,718
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(I)	127,047	128,300
Series 2021-NQ2R, Class A1, 0.941%, 09/25/2058 (C)(I)	258,066	258,052
NMLT Trust		
Series 2021-INV1, Class A1 1.185%, 05/25/2056 (C)(I)	560,669	559,091
Oaktown Re II, Ltd.		
Series 2018-1A, Class M1 (1 month LIBOR + 1.550%) 1.656%, 07/25/2028 (C)(H)	93,982	94,004
Oaktown Re III, Ltd.		
Series 2019-1A, Class M1A (1 month LIBOR + 1.400%) 1.506%, 07/25/2029 (C)(H)	32,514	32,523
OBX Trust		
Series 2021-NQM1, Class A1 1.072%, 02/25/2066 (C)(I)	570,827	569,403
PMT Credit Risk Transfer Trust		
Series 2019-1R, Class A (1 month LIBOR + 2.000%) 2.111%, 03/27/2024 (C)(H)	172,594	172,247
PRPM LLC		
Series 2019-GS1, Class A1, 3.500%, 10/25/2024 (C)(I)	162,888	163,754
Series 2020-3, Class A1, 2.857%, 09/25/2025 (C)	397,746	399,858
Series 2020-6, Class A1, 2.363%, 11/25/2025 (C)	111,239	111,505
Series 2021-3, Class A1, 1.867%, 04/25/2026 (C)	281,317	282,698
Series 2021-4, Class A1, 1.867%, 04/25/2026 (C)	370,831	370,283
Radnor RE, Ltd.		
Series 2019-2, Class M1A (1 month LIBOR + 1.200%) 1.306%, 06/25/2029 (C)(H)	42,940	42,940
RALI Series Trust		
Series 2007-QH7, Class 1A1 (1 month LIBOR + 0.250%) 0.342%, 08/25/2037 (H)	53,636	50,678
RCO VII Mortgage LLC		
Series 2021-1, Class A1 1.868%, 05/25/2026 (C)	298,684	298,230
Seasoned Credit Risk Transfer Trust		
Series 2019-3, Class MV 3.500%, 10/25/2058	125,647	138,129
SG Commercial Mortgage Securities Trust		
Series 2020-COVE, Class A 2.632%, 03/15/2037 (C)	645,000	669,227
SG Residential Mortgage Trust		
Series 2021-1, Class A1 1.160%, 07/25/2061 (C)(I)	543,000	543,851
STAR Trust		
Series 2021-1, Class A1 1.219%, 05/25/2065 (C)(I)	533,295	534,691

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Starwood Mortgage Residential Trust		
Series 2021-2, Class A1 0.943%, 05/25/2065 (C)(I)	\$ 203,991	\$ 203,912
Toorak Mortgage Corp., Ltd.		
Series 2021-1, Class A1 2.240%, 06/25/2024 (C)	330,000	330,173
Triangle Re, Ltd.		
Series 2021-2, Class M1A (1 month LIBOR + 2.050%) 2.160%, 10/25/2033 (C)(H)	265,000	266,080
VCAT LLC		
Series 2021-NPL2, Class A1, 2.115%, 03/27/2051 (C)	122,897	122,934
Series 2021-NPL3, Class A1, 1.743%, 05/25/2051 (C)	370,978	371,062
Verus Securitization Trust		
Series 2021-2, Class A1, 1.031%, 02/25/2066 (C)(I)	239,504	239,590
Series 2021-R2, Class A1, 0.918%, 02/25/2064 (C)(I)	314,200	314,556
VOLT XCIV LLC		
Series 2021-NPL3, Class A1 2.240%, 02/27/2051 (C)	335,917	336,247
VOLT XCVIII LLC		
Series 2021-NPL7, Class A1 2.116%, 04/25/2051 (C)	123,601	123,648
WaMu Mortgage Pass-Through Certificates		
Series 2007-HY6, Class 1A1 2.880%, 06/25/2037 (I)	15,158	14,750
Washington Mutual Mortgage Pass-Through Certificates		
Series 2006-5, Class 1A1 (1 month LIBOR + 0.600%) 0.692%, 07/25/2036 (H)	24,703	16,261
Wells Fargo Commercial Mortgage Trust		
Series 2014-LC16, Class A5, 3.817%, 08/15/2050	310,000	333,725
Series 2015-NXS1, Class D, 4.146%, 05/15/2048 (I)	40,000	40,950
Series 2015-NXS1, Class XA IO, 1.094%, 05/15/2048	1,574,813	50,933
Series 2015-NXS3, Class XA IO, 0.899%, 09/15/2057	2,728,198	88,600
WF-RBS Commercial Mortgage Trust		
Series 2014-C19, Class A5 4.101%, 03/15/2047	304,634	329,015
		33,646,688
U.S. Government Agency – 3.2%		
Federal Home Loan Mortgage Corp.		
Series 2018-HRP1, Class M2 (1 month LIBOR + 1.650%), 1.742%, 04/25/2043 (C)(H)	86,357	86,471
Series 2019-DNA2, Class M2 (1 month LIBOR + 2.450%), 2.542%, 03/25/2049 (C)(H)	292,612	297,163
Series 2019-DNA3, Class M2 (1 month LIBOR + 2.050%), 2.142%, 07/25/2049 (C)(H)	247,241	249,414
Series 2019-HQA1, Class M2 (1 month LIBOR + 2.350%), 2.456%, 02/25/2049 (C)(H)	448,830	453,458

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 2019-HQA3, Class M2 (1 month LIBOR + 1.850%), 1.942%, 09/25/2049 (C)(H)	\$ 180,853	\$ 181,558
Series 3883, Class PB, 3.000%, 05/15/2041	85,364	90,950
Series 4139, Class PA, 2.500%, 11/15/2041	308,171	322,026
Series K064, Class X1 IO, 0.604%, 03/25/2027	2,282,434	71,625
Series K068, Class A2, 3.244%, 08/25/2027	545,000	606,664
Series K104, Class X1 IO, 1.127%, 02/25/2052	1,322,485	111,209
Series K111, Class X1 IO, 1.681%, 05/25/2030	551,456	67,093
Series K114, Class X1 IO, 1.213%, 06/25/2030	1,603,057	142,365
Series K121, Class X1 IO, 1.028%, 11/25/2053	855,201	69,750
Series K122, Class X1 IO, 0.883%, 11/25/2030	479,647	34,300
Series K124, Class X1 IO, 0.812%, 12/25/2030	1,911,179	115,425
Federal National Mortgage Association		
Series 2012-18, Class GA, 2.000%, 12/25/2041	113,298	116,835
Series 2012-21, Class PQ, 2.000%, 09/25/2041	64,045	65,906
Series 2012-52, Class PA, 3.500%, 05/25/2042	82,553	88,783
Series 2012-75, Class KC, 2.500%, 12/25/2041	106,371	109,706
Series 2014-C04, Class 1M2 (1 month LIBOR + 4.900%), 5.006%, 11/25/2024 (H)	69,884	72,255
Series 2015-48, Class QB, 3.000%, 02/25/2043	167,582	174,395
Series 2015-C04, Class 1M2 (1 month LIBOR + 5.700%), 5.806%, 04/25/2028 (H)	46,269	49,016
Series 2016-11, Class GA, 2.500%, 03/25/2046	129,492	135,535
Series 2016-38, Class NA, 3.000%, 01/25/2046	62,544	67,241
Series 2016-C02, Class 1M2 (1 month LIBOR + 6.000%), 6.106%, 09/25/2028 (H)	31,274	33,005
Series 2016-C07, Class 2M2 (1 month LIBOR + 4.350%), 4.456%, 05/25/2029 (H)	264,737	277,502
Series 2017-26, Class CG, 3.500%, 07/25/2044	154,788	161,388
Series 2017-34, Class JK, 3.000%, 05/25/2047	80,201	82,813
Series 2017-35, Class AH, 3.500%, 04/25/2053	183,544	188,947
Series 2017-49, Class JA, 4.000%, 07/25/2053	152,899	159,284
Series 2017-84, Class KA, 3.500%, 04/25/2053	139,585	143,743
Series 2017-96, Class PA, 3.000%, 12/25/2054	231,689	242,887

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2017-C01, Class 1M2 (1 month LIBOR + 3.550%), 3.656%, 07/25/2029 (H)	\$ 164,382	\$ 170,656
Series 2018-19, Class DC, 3.500%, 05/25/2056	115,825	121,451
Series 2018-23, Class LA, 3.500%, 04/25/2048	180,581	196,649
Series 2018-38, Class PC, 3.500%, 03/25/2045	71,759	73,035
Series 2018-70, Class HA, 3.500%, 10/25/2056	172,029	182,125
Series 2018-72, Class BA, 3.500%, 07/25/2054	253,129	264,878
Series 2018-77, Class PA, 3.500%, 02/25/2048	61,732	64,709
Series 2018-80, Class GD, 3.500%, 12/25/2047	131,039	136,933
Series 2019-12, Class HA, 3.500%, 11/25/2057	219,579	235,815
Series 2019-14, Class CA, 3.500%, 04/25/2049	225,591	245,560
Series 2019-15, Class AB, 3.500%, 05/25/2053	233,288	246,189
Series 2019-41, Class AC, 2.500%, 03/25/2053	238,513	246,013
Series 2019-45, Class PT, 3.000%, 08/25/2049	254,922	267,498
Series 2019-7, Class CA, 3.500%, 11/25/2057	187,095	199,491
Series 2019-7, Class JA, 3.500%, 03/25/2049	197,258	211,818
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 2.256%, 11/25/2039 (C)(H)	139,244	138,701
Series 2019-R03, Class 1M2 (1 month LIBOR + 2.150%), 2.256%, 09/25/2031 (C)(H)	83,956	84,554
Series 2019-R04, Class 2M2 (1 month LIBOR + 2.100%), 2.206%, 06/25/2039 (C)(H)	104,850	105,271
Series 415, Class A3, 3.000%, 11/25/2042	180,936	189,279
Government National		
Mortgage Association		
Series 2006-38, Class XS IO, 7.149%, 09/16/2035	34,674	3,892
Series 2013-37, Class LG, 2.000%, 01/20/2042	147,361	150,763
		8,603,992
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		
(Cost \$41,666,492)		\$ 42,250,680
ASSET BACKED SECURITIES – 8.7%		
AASET Trust		
Series 2020-1A, Class A 3.351%, 01/16/2040 (C)	230,858	228,064
ABFC Trust		
Series 2006-HE1, Class A2D (1 month LIBOR + 0.220%) 0.312%, 01/25/2037 (H)	113,511	80,492

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Affirm Asset Securitization Trust		
Series 2020-Z1, Class A	\$ 115,206	\$ 116,695
3.460%, 10/15/2024 (C)		
Series 2020-Z2, Class A	253,979	255,948
1.900%, 01/15/2025 (C)		
AmeriCredit Automobile Receivables Trust		
Series 2019-3, Class D	295,000	306,519
2.580%, 09/18/2025		
Atrium XII		
Series 12A, Class AR (3 month LIBOR + 0.830%)	692,826	692,407
1.014%, 04/22/2027 (C)(H)		
Avant Loans Funding Trust		
Series 2021-REV1, Class A	225,000	224,607
1.210%, 07/15/2030 (C)		
Bain Capital Credit CLO		
Series 2017-2A, Class AR2 (3 month LIBOR + 1.180%)	650,000	650,204
1.289%, 07/25/2034 (C)(H)		
Bayview Koitere Fund Trust		
Series 2017-RT4, Class A	388,350	398,367
3.500%, 07/28/2057 (C)(I)		
Series 2017-SPL3, Class A	144,135	147,307
4.000%, 11/28/2053 (C)(I)		
Bayview Mortgage Fund IVc Trust		
Series 2017-RT3, Class A	252,271	254,894
3.500%, 01/28/2058 (C)(I)		
Bayview Opportunity Master Fund IVa Trust		
Series 2017-SPL1, Class A	329,964	336,917
4.000%, 10/28/2064 (C)(I)		
Series 2017-SPL5, Class A	190,924	195,256
3.500%, 06/28/2057 (C)(I)		
Bayview Opportunity Master Fund IVb Trust		
Series 2017-SPL4, Class A	160,274	164,342
3.500%, 01/28/2055 (C)(I)		
BlueMountain CLO XXIV, Ltd.		
Series 2019-24A, Class AR (3 month LIBOR + 1.100%)	415,000	415,149
1.274%, 04/20/2034 (C)(H)		
BlueMountain CLO XXXI, Ltd.		
Series 2021-31A, Class A1 (3 month LIBOR + 1.150%)	810,000	809,997
1.330%, 04/19/2034 (C)(H)		
CF Hippolyta LLC		
Series 2020-1, Class A2	137,116	139,182
1.990%, 07/15/2060 (C)		
CIFC Funding, Ltd.		
Series 2017-2A, Class AR (3 month LIBOR + 0.950%)	900,000	900,024
1.118%, 04/20/2030 (C)(H)		
Citigroup Mortgage Loan Trust		
Series 2019-E, Class A1	234,334	235,014
3.228%, 11/25/2070 (C)		
Credit Acceptance Auto Loan Trust		
Series 2021-3A, Class A	250,000	250,498
1.000%, 05/15/2030 (C)		
Domino's Pizza Master Issuer LLC		
Series 2018-1A, Class A2I	360,750	376,205
4.116%, 07/25/2048 (C)		
Series 2019-1A, Class A2	172,813	186,921
3.668%, 10/25/2049 (C)		
Series 2021-1A, Class A2I	270,000	279,366
2.662%, 04/25/2051 (C)		

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Drive Auto Receivables Trust		
Series 2019-4, Class D	\$ 255,000	\$ 262,308
2.700%, 02/16/2027		
Exeter Automobile Receivables Trust		
Series 2019-4A, Class D	570,000	585,333
2.580%, 09/15/2025 (C)		
Series 2020-1A, Class D	170,000	174,691
2.730%, 12/15/2025 (C)		
First Franklin Mortgage Loan Trust		
Series 2006-FF12, Class A5 (1 month LIBOR + 0.310%)	240,000	227,808
0.402%, 09/25/2036 (H)		
GSAA Home Equity Trust		
Series 2006-10, Class AF3	150,620	62,753
5.985%, 06/25/2036 (I)		
Series 2006-15, Class AF6	375,860	147,703
6.376%, 09/25/2036		
Series 2006-20, Class 2A1A (1 month LIBOR + 0.100%)	242,220	150,659
0.142%, 12/25/2046 (H)		
GSAA Trust		
Series 2005-7, Class AF4	228,492	225,820
5.558%, 05/25/2035		
GSAMP Trust		
Series 2007-FM2, Class A2B (1 month LIBOR + 0.090%)	214,897	155,105
0.196%, 01/25/2037 (H)		
LCM XX LP		
Series 2020-A, Class AR (3 month LIBOR + 1.040%)	338,353	338,397
1.228%, 10/20/2027 (C)(H)		
Madison Park Funding XII, Ltd.		
Series 2014-12A, Class B1R (3 month LIBOR + 1.650%)	132,971	133,003
1.838%, 07/20/2026 (C)(H)		
Madison Park Funding XXXVIII, Ltd.		
Series 2021-38A, Class A (3 month LIBOR + 1.120%)	655,000	655,265
1.276%, 07/17/2034 (C)(H)		
Mercury Financial Credit Card Master Trust		
Series 2021-1A, Class A	250,000	250,755
1.540%, 03/20/2026 (C)		
MFA LLC		
Series 2021-NPL1, Class A1	608,191	608,269
2.363%, 03/25/2060 (C)		
NRZ Excess Spread-Collateralized Notes		
Series 2018-FNT2, Class A	332,317	332,428
3.790%, 07/25/2054 (C)		
Series 2020-PLS1, Class A	83,671	84,459
3.844%, 12/25/2025 (C)		
OCP CLO, Ltd.		
Series 2015-9A, Class A1R (3 month LIBOR + 0.800%)	118,868	118,872
0.984%, 07/15/2027 (C)(H)		
OZLM XII, Ltd.		
Series 2015-12A, Class A1R (3 month LIBOR + 1.050%)	445,229	445,268
1.236%, 04/30/2027 (C)(H)		
Palmer Square Loan Funding, Ltd.		
Series 2018-5A, Class A1 (3 month LIBOR + 0.850%)	223,828	223,969
1.038%, 01/20/2027 (C)(H)		
Regatta VI Funding, Ltd.		
Series 2016-1A, Class AR2 (3 month LIBOR + 1.160%)	595,000	595,214
1.324%, 04/20/2034 (C)(H)		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
RR 1 LLC		
Series 2017-1A, Class A1AB (3 month LIBOR + 1.150%) 1.230%, 07/15/2035 (C)(H)	\$ 675,000	\$ 675,440
RR 16, Ltd.		
Series 2021-16A, Class A1 (3 month LIBOR + 1.110%) 1.191%, 07/15/2036 (C)(H)	585,000	585,248
Santander Drive Auto Receivables Trust		
Series 2020-4, Class D 1.480%, 01/15/2027	75,000	75,927
Securitized Asset Backed Receivables LLC Trust		
Series 2006-HE1, Class A2B (1 month LIBOR + 0.180%) 0.286%, 07/25/2036 (H)	132,152	61,492
Shackleton VIII CLO, Ltd.		
Series 2015-8A, Class A1R (3 month LIBOR + 0.920%) 1.108%, 10/20/2027 (C)(H)	1,004,529	1,004,561
Sound Point CLO XXIX, Ltd.		
Series 2021-1A, Class A (3 month LIBOR + 1.070%) 1.210%, 04/25/2034 (C)(H)	655,000	655,234
Soundview Home Loan Trust		
Series 2007-OPT2, Class 2A3 (1 month LIBOR + 0.180%) 0.272%, 07/25/2037 (H)	30,852	29,637
Springleaf Funding Trust		
Series 2017-AA, Class A 2.680%, 07/15/2030 (C)	252,446	252,991
Summit Issuer LLC		
Series 2020-1A, Class A2 2.290%, 12/20/2050 (C)	155,000	154,546
TICP CLO III-2, Ltd.		
Series 2018-3R, Class A (3 month LIBOR + 0.840%) 1.028%, 04/20/2028 (C)(H)	287,231	287,242
Towd Point Mortgage Trust		
Series 2016-2, Class A1A 2.750%, 08/25/2055 (C)(I)	88,894	89,675
Series 2016-3, Class A1 2.250%, 04/25/2056 (C)(I)	79,851	80,142
Series 2017-1, Class A1 2.750%, 10/25/2056 (C)(I)	374,310	380,038
Series 2017-2, Class A1 2.750%, 04/25/2057 (C)(I)	94,071	95,382
Series 2017-3, Class A1 2.750%, 07/25/2057 (C)(I)	187,409	191,030
Series 2017-4, Class A1 2.750%, 06/25/2057 (C)(I)	325,205	334,371
Series 2017-5, Class A1 (1 month LIBOR + 0.600%) 0.692%, 02/25/2057 (C)(H)	207,983	207,994
Series 2021-R1, Class A1 2.918%, 11/30/2060 (C)(I)	651,020	664,348
Venture 42 CLO, Ltd.		
Series 2021-42A, Class A1A (3 month LIBOR + 1.130%) 1.327%, 04/15/2034 (C)(H)	655,000	655,111
Venture 43 CLO, Ltd.		
Series 2021-43A, Class A1 (3 month LIBOR + 1.240%) 1.434%, 04/15/2034 (C)(H)	260,000	260,279

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%) 1.064%, 07/15/2027 (C)(H)	\$ 423,588	\$ 423,598
Verus Securitization Trust		
Series 2020-NPL1, Class A1 3.598%, 08/25/2050 (C)	225,330	226,158
Voya CLO, Ltd.		
Series 2015-1A, Class A1R (3 month LIBOR + 0.900%) 1.090%, 01/18/2029 (C)(H)	745,759	745,762
Wellfleet CLO X, Ltd.		
Series 2019-XA, Class A1R (3 month LIBOR + 1.170%) 1.356%, 07/20/2032 (C)(H)	520,000	520,137
Wendy's Funding LLC		
Series 2018-1A, Class A2II 3.884%, 03/15/2048 (C)	226,775	241,164
Series 2021-1A, Class A2I 2.370%, 06/15/2051 (C)	585,000	590,084
Westlake Automobile Receivables Trust		
Series 2019-3A, Class D 2.720%, 11/15/2024 (C)	420,000	431,969
Series 2020-3A, Class D 1.650%, 02/17/2026 (C)	215,000	217,698
Wingstop Funding LLC		
Series 2020-1A, Class A2 2.841%, 12/05/2050 (C)	99,750	103,452
TOTAL ASSET BACKED SECURITIES (Cost \$23,647,755)		\$ 23,663,164
COMMON STOCKS – 0.0%		
Energy – 0.0%		
Foresight Energy LLC (J)	895	8,039
TOTAL COMMON STOCKS (Cost \$119,522)		\$ 8,039
PURCHASED OPTIONS – 0.1%		
Puts – 0.1%		
Over the Counter Option on 10 Year Interest Rate Swap. Receive a floating rate based on 3-month USD LIBOR and pay a fixed rate of 2.200% (Expiration Date: 3-14-22; Strike Rate: 2.200%; Counterparty: Bank of America Corp.) (J)(K)	8,705,000	46,736
Over the Counter Option on 10 Year Interest Rate Swap. Receive a floating rate based on 3-month USD LIBOR and pay a fixed rate of 2.200% (Expiration Date: 3-14-22; Strike Rate: 2.200%; Counterparty: Citibank N.A.) (J)(K)	8,370,000	44,939
		91,675
TOTAL PURCHASED OPTIONS (Cost \$297,615)		\$ 91,675
SHORT-TERM INVESTMENTS – 2.3%		
Short-term funds – 0.2%		
John Hancock Collateral Trust, 0.0324% (L)(M)	61,096	611,242

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 2.1%		
Deutsche Bank Tri-Party Repurchase Agreement dated 6-30-21 at 0.050% to be repurchased at \$5,700,008 on 7-1-21, collateralized by \$5,527,463 Federal National Mortgage Association, 2.500% due 11-1-50 (valued at \$5,814,000)		
	\$ 5,700,000	\$ 5,700,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$6,311,256)		
		\$ 6,311,242
Total Investments (Investment Quality Bond Trust)		
		\$ 371,325,675
(Cost \$363,701,767) – 136.3%		
Other assets and liabilities, net – (36.3%)		
		(98,835,107)
TOTAL NET ASSETS – 100.0%		
		\$ 272,490,568

Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
EUR	Euro
MXN	Mexican Peso

Security Abbreviations and Legend

EURIBOR	Euro Interbank Offered Rate
GO	General Obligation
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
2-Year U.S. Treasury Note Futures	55	Long	Sep 2021	\$12,136,686	\$12,117,617	\$(19,069)
Euro-OAT Futures	18	Long	Sep 2021	3,381,668	3,394,471	12,803
10-Year Australian Treasury Bond Futures	19	Short	Sep 2021	(2,011,112)	(2,013,425)	(2,313)
10-Year U.S. Treasury Note Futures	89	Short	Sep 2021	(11,748,883)	(11,792,500)	(43,617)
5-Year U.S. Treasury Note Futures	151	Short	Sep 2021	(18,682,572)	(18,637,853)	44,719
Euro-BTP Italian Government Bond Futures	18	Short	Sep 2021	(3,209,934)	(3,231,620)	(21,686)
Euro-Buxl Futures	4	Short	Sep 2021	(948,690)	(963,967)	(15,277)
German Euro BUND Futures	29	Short	Sep 2021	(5,904,318)	(5,935,498)	(31,180)
U.K. Long Gilt Bond Futures	19	Short	Sep 2021	(3,345,590)	(3,366,814)	(21,224)
U.S. Treasury Long Bond Futures	44	Short	Sep 2021	(6,879,154)	(7,073,000)	(193,846)
Ultra U.S. Treasury Bond Futures	72	Short	Sep 2021	(10,440,765)	(10,598,625)	(157,860)
Ultra U.S. Treasury Bond Futures	30	Short	Sep 2021	(5,540,570)	(5,780,625)	(240,055)
						\$(688,605)

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD 349,239	AUD 450,000	MSI	9/15/2021	\$11,656	—
USD 589,641	BRL 3,010,000	CITI	9/15/2021	—	\$(10,053)
USD 136,284	EUR 114,000	BNP	7/30/2021	1,030	—
USD 5,732,129	EUR 4,706,000	CITI	9/15/2021	143,495	—
USD 213,473	EUR 175,000	DB	9/15/2021	5,651	—
USD 229,266	EUR 188,000	JPM	9/15/2021	6,006	—

Investment Quality Bond Trust (continued)

- (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 \$78,245,277 or 28.7% of the fund's net assets as of 6-30-21.
- (D) All or a portion of this security is on loan as of 6-30-21.
- (E) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
- (F) Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
- (G) 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).
- (H) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (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) 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 6-30-21.
- (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.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

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

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD 1,287,283	MXN 25,710,000	GSI	9/15/2021	\$9,471	—
				\$177,309	\$(10,053)

WRITTEN OPTIONS

Interest rate swaptions

Description	Counterparty (OTC)	Floating rate index	Pay/receive floating rate	Exercise rate	Expiration date	Notional amount*	Premium	Value
Puts								
5-Year Interest Rate Swap	BOA	3 month USD LIBOR	Pay	1.500%	Mar 2022	USD 8,705,000	\$ 87,050	\$(49,147)
5-Year Interest Rate Swap	CITI	3 month USD LIBOR	Pay	1.500%	Mar 2022	USD 8,370,000	92,070	(47,252)
							\$179,120	\$(96,399)

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

SWAPS

Interest rate swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	2,155,000	USD	Fixed 0.075%	USD Compounded SOFR	Annual	Annual	Aug 2025	\$(207)	\$46,696	\$46,489
Centrally cleared	4,935,000	USD	Fixed 0.750%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2030	(16,744)	303,678	286,934
Centrally cleared	2,460,000	USD	Fixed 1.160%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2040	—	234,108	234,108
Centrally cleared	1,605,000	USD	Fixed 0.810%	USD LIBOR BBA	Semi-Annual	Quarterly	Sep 2050	4,899	356,478	361,377
								\$(12,052)	\$940,960	\$928,908

Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	CDX.NA.HY.36	1,145,000	USD	\$1,145,000	5.000%	Quarterly	Jun 2026	\$(113,875)	\$(4,505)	\$(118,380)
				\$1,145,000				\$(113,875)	\$(4,505)	\$(118,380)

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	31.098%	110,000	USD	\$110,000	3.000%	Monthly	May 2063	\$(17,262)	\$(11,567)	\$(28,829)
GSI	CMBX.NA.BBB-6	31.098%	140,000	USD	140,000	3.000%	Monthly	May 2063	(21,819)	(14,873)	(36,692)
GSI	CMBX.NA.BBB-6	31.098%	1,335,000	USD	1,335,000	3.000%	Monthly	May 2063	(79,940)	(273,167)	(353,107)
GSI	CMBX.NA.BBB-6	31.098%	1,390,000	USD	1,390,000	3.000%	Monthly	May 2063	(84,112)	(283,543)	(367,655)
MSI	CMBX.NA.BBB-6	31.098%	255,000	USD	255,000	3.000%	Monthly	May 2063	(38,679)	(28,152)	(66,831)
MSI	CMBX.NA.BBB-6	31.098%	130,000	USD	130,000	3.000%	Monthly	May 2063	(20,048)	(14,023)	(34,071)
MSI	CMBX.NA.BBB-6	31.098%	115,000	USD	115,000	3.000%	Monthly	May 2063	(18,073)	(12,067)	(30,140)
MSI	CMBX.NA.BBB-6	31.098%	69,000	USD	69,000	3.000%	Monthly	May 2063	(10,849)	(7,235)	(18,084)
					\$3,544,000				\$(290,782)	\$(644,627)	\$(935,409)
Centrally cleared	CDX.EM.35	1.549%	1,315,000	USD	1,315,000	1.000%	Quarterly	Jun 2026	(45,593)	11,774	(33,819)
Centrally cleared	CDX.NA.IG.36	0.479%	490,000	USD	490,000	1.000%	Quarterly	Jun 2026	10,267	2,336	12,603
Centrally cleared	Federative Republic of Brazil	1.620%	150,000	USD	150,000	1.000%	Quarterly	Jun 2026	(4,630)	209	(4,421)
Centrally cleared	Government of Mexico	0.929%	160,000	USD	160,000	1.000%	Quarterly	Jun 2026	106	494	600
Centrally cleared	Republic of Colombia	1.362%	915,000	USD	915,000	1.000%	Quarterly	Jun 2026	(11,668)	(4,047)	(15,715)
Centrally cleared	Republic of Indonesia	0.749%	665,000	USD	665,000	1.000%	Quarterly	Jun 2026	3,584	4,759	8,343
Centrally cleared	Republic of Panama	0.666%	210,000	USD	210,000	1.000%	Quarterly	Jun 2026	1,787	1,714	3,501
Centrally cleared	Republic of Peru	0.821%	445,000	USD	445,000	1.000%	Quarterly	Jun 2026	3,003	1,018	4,021

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

Credit default swaps - Seller (continued)

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	Russian Federation	0.832%	145,000	USD	\$145,000	1.000%	Quarterly	Jun 2026	\$350	\$884	\$1,234
					\$4,495,000				\$(42,794)	\$19,141	\$(23,653)
					\$8,039,000				\$(333,576)	\$(625,486)	\$(959,062)

Derivatives Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
EUR	Euro
MXN	Mexican Peso
USD	U.S. Dollar

Derivatives Abbreviations

BBA	The British Banker's Association
BNP	BNP Paribas
BOA	Bank of America, N.A.
CITI	Citibank, N.A.
DB	Deutsche Bank AG
GSI	Goldman Sachs International
JPM	JPMorgan Chase Bank, N.A.
LIBOR	London Interbank Offered Rate
MSI	Morgan Stanley & Co. International PLC
OTC	Over-the-counter
SOFR	Secured Overnight Financing Rate

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

Money Market Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT – 27.0%		
U.S. Treasury Bill		
0.010%, 08/26/2021	\$ 86,720,300	\$ 86,718,951
0.010%, 08/12/2021	34,815,100	34,814,694
0.010%, 08/19/2021	69,590,800	69,589,853
0.030%, 07/27/2021	155,354,500	155,351,134
0.035%, 09/23/2021	34,522,400	34,519,581
0.041%, 07/20/2021	34,550,000	34,549,271
U.S. Treasury Note		
0.046%, (3 month USBMMY + 0.220%), 07/31/2021 (A)	3,526,500	3,527,161
0.048%, 08/31/2021	28,372,600	28,464,385
0.051%, 04/30/2022	17,338,200	17,598,455
0.076%, (3 month USBMMY + 0.154%), 01/31/2022 (A)	6,500,000	6,504,980
0.077%, 08/15/2021	49,241,800	49,405,437
0.090%, (3 month USBMMY + 0.055%), 07/31/2022 (A)	27,763,300	27,768,169
0.095%, 03/31/2022	17,810,500	17,847,606
0.225%, (3 month USBMMY + 0.300%), 10/31/2021 (A)	7,252,800	7,255,933
TOTAL U.S. GOVERNMENT (Cost \$573,915,610)		\$ 573,915,610
U.S. GOVERNMENT AGENCY – 72.2%		
Federal Agricultural Mortgage Corp.		
0.010%, 07/01/2021	69,050,000	69,050,000
0.010%, 08/16/2021	20,875,000	20,874,733
0.024%, (3 month LIBOR - 0.120%), 12/22/2021 (A)	55,657,000	55,654,698

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Agricultural Mortgage Corp. (continued)		
0.033%, (3 month LIBOR - 0.130%), 08/13/2021 (A)	\$ 20,817,000	\$ 20,816,934
0.050%, 10/29/2021	17,451,000	17,451,000
0.071%, (SOFR + 0.020%), 03/04/2022 (A)	14,056,000	14,056,000
0.075%, 06/24/2022	13,909,000	13,909,000
0.077%, (3 month LIBOR - 0.100%), 08/03/2021 (A)	7,116,000	7,116,000
0.079%, (3 month LIBOR - 0.100%), 10/06/2021 (A)	12,627,000	12,627,561
0.080%, (3 month LIBOR - 0.100%), 01/25/2022 (A)	3,574,000	3,573,938
0.091%, (SOFR + 0.040%), 09/28/2021 (A)	40,000,000	40,000,000
0.096%, (1 month LIBOR), 07/28/2021 (A)	36,845,000	36,845,000
0.152%, (SOFR + 0.100%), 08/23/2021 (A)	10,000,000	10,000,000
Federal Farm Credit Bank		
0.005%, (1 month LIBOR - 0.070%), 08/11/2021 (A)	17,700,000	17,700,000
0.061%, 02/25/2022	7,006,000	7,003,209
0.064%, (1 month LIBOR), 12/22/2021 (A)	24,588,000	24,591,356
0.066%, (SOFR + 0.060%), 10/21/2022 (A)	13,591,000	13,599,095
0.076%, (Prime rate - 3.180%), 10/19/2022 (A)	10,599,000	10,598,302

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (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)		
0.081%, (SOFR + 0.030%), 06/14/2023 (A)	\$ 3,457,000	\$ 3,457,000
0.087%, (3 month LIBOR + 0.010%), 09/20/2021 (A)	3,520,000	3,520,464
0.090%, 12/29/2021	7,237,000	7,237,000
0.091%, (Prime rate - 3.160%), 05/18/2023 (A)	6,969,000	6,969,000
0.096%, (U.S. Federal Funds Effective Rate - 0.005%), 06/22/2023 (A)	6,923,000	6,923,000
0.101%, (3 month USBMMY + 0.055%), 01/31/2023 (A)	14,262,000	14,262,000
0.106%, (Prime rate - 3.145%), 03/15/2023 (A)	7,011,000	7,011,000
0.107%, (3 month USBMMY + 0.270%), 05/16/2022 (A)	11,691,000	11,713,208
0.113%, (1 month LIBOR + 0.240%), 10/25/2021 (A)	100,000	100,071
0.117%, (3 month USBMMY + 0.100%), 01/18/2022 (A)	3,290,000	3,290,550
0.117%, 01/06/2022	17,520,000	17,517,590
0.118%, (3 month LIBOR), 11/16/2021 (A)	892,000	892,136
0.127%, (SOFR + 0.075%), 11/03/2022 (A)	7,362,000	7,362,000
0.132%, (SOFR + 0.080%), 10/14/2022 (A)	5,862,000	5,862,000
0.142%, (SOFR + 0.090%), 07/15/2021 (A)	18,472,000	18,472,000
0.142%, (SOFR + 0.090%), 09/23/2022 (A)	7,315,000	7,315,000
0.146%, (Prime rate - 3.105%), 02/14/2022 (A)	14,662,000	14,662,117
0.157%, (Prime rate - 3.100%), 03/15/2022 (A)	7,306,000	7,305,728
0.157%, (Prime rate - 3.095%), 04/20/2022 (A)	28,319,000	28,319,000
0.159%, (1 month LIBOR + 0.030%), 11/02/2021 (A)	2,321,000	2,320,673
0.174%, (1 month LIBOR + 0.160%), 07/01/2021 (A)	366,000	366,000
0.174%, (1 month LIBOR + 0.080%), 08/25/2021 (A)	11,191,000	11,191,000
0.177%, (1 month LIBOR + 0.080%), 07/26/2021 (A)	366,000	366,000
0.184%, (1 month LIBOR + 0.110%), 09/24/2021 (A)	366,000	366,016
0.190%, (1 month LIBOR + 0.110%), 12/10/2021 (A)	11,097,000	11,097,000
0.198%, (U.S. Federal Funds Effective Rate + 0.095%), 07/26/2021 (A)	15,093,000	15,093,000
0.198%, (SOFR + 0.145%), 07/28/2022 (A)	3,670,000	3,670,000
0.249%, (1 month LIBOR + 0.160%), 10/04/2021 (A)	4,480,000	4,480,000
0.265%, (3 month USBMMY + 0.290%), 04/11/2022 (A)	15,382,000	15,391,509
0.334%, (Prime rate - 3.030%), 09/03/2021 (A)	7,271,000	7,269,583
0.436%, (SOFR + 0.380%), 04/22/2022 (A)	7,376,000	7,376,000
Federal Home Loan Bank		
0.007%, (3 month LIBOR - 0.095%), 09/13/2021 (A)	30,430,000	30,431,071
0.008%, 07/28/2021	16,000,000	15,999,904
0.010%, 07/30/2021	51,912,000	51,911,582
0.010%, 08/11/2021	21,830,000	21,829,744

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Home Loan Bank (continued)		
0.010%, 08/16/2021	\$ 17,289,000	\$ 17,288,779
0.015%, 08/06/2021	40,164,000	40,163,398
0.018%, 07/16/2021	35,115,000	35,114,737
0.018%, 08/04/2021	23,089,000	23,088,619
0.023%, 09/03/2021	17,305,000	17,304,743
0.025%, 09/20/2021	17,316,000	17,315,026
0.029%, 07/14/2021	15,945,000	15,951,199
0.030%, (1 month LIBOR - 0.020%), 12/17/2021 (A)	50,260,000	50,267,715
0.031%, 07/21/2021	45,590,000	45,589,231
0.037%, (3 month LIBOR - 0.105%), 08/04/2021 (A)	47,400,000	47,401,534
0.041%, 08/25/2021	15,466,000	15,465,055
0.044%, 09/29/2021	44,489,000	44,484,218
0.046%, 09/29/2021	21,000,000	20,999,692
0.046%, 08/20/2021	14,504,000	14,503,094
0.046%, 08/18/2021	34,550,000	34,547,927
0.052%, 12/10/2021	8,095,000	8,196,112
0.056%, 08/02/2021	17,545,000	17,544,907
0.056%, 12/10/2021	5,935,000	6,064,834
0.059%, (1 month LIBOR - 0.025%), 08/27/2021 (A)	36,835,000	36,835,706
0.066%, (SOFR + 0.015%), 12/10/2021 (A)	18,015,000	18,015,000
0.081%, 09/10/2021	930,000	935,235
0.086%, (SOFR + 0.035%), 12/10/2021 (A)	7,365,000	7,365,000
0.093%, 10/12/2021	2,605,000	2,626,306
0.112%, (SOFR + 0.060%), 11/23/2022 (A)	18,370,000	18,370,000
0.112%, (SOFR + 0.060%), 12/16/2022 (A)	10,000,000	10,000,000
0.120%, 07/07/2021	735,000	735,214
0.136%, 09/17/2021	14,180,000	14,179,642
0.142%, (SOFR + 0.090%), 08/12/2022 (A)	14,640,000	14,640,000
0.158%, 07/02/2021	11,045,000	11,044,990
Federal Home Loan Mortgage Corp.		
0.031%, 08/12/2021	7,054,000	7,062,871
0.099%, 01/13/2022	9,347,000	9,461,691
0.150%, (SOFR + 0.150%), 03/04/2022 (A)	11,784,000	11,788,180
Federal National Mortgage Association		
0.046%, 01/05/2022	1,000,000	1,009,981
0.100%, 01/11/2022	3,433,000	3,479,275
0.233%, (SOFR + 0.350%), 04/07/2022 (A)	4,411,000	4,416,818
0.243%, (SOFR + 0.190%), 05/19/2022 (A)	14,746,000	14,746,000
0.253%, (SOFR + 0.200%), 06/15/2022 (A)	6,000,000	6,000,000
Tennessee Valley Authority		
0.048%, 07/28/2021	102,324,000	102,320,361
U.S. Department of Housing and Urban Development		
0.177%, 08/01/2021	4,788,000	4,796,916
TOTAL U.S. GOVERNMENT AGENCY (Cost \$1,537,936,778)		\$ 1,537,936,778

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Money Market Trust (continued)

	Shares or Principal Amount	Value
REPURCHASE AGREEMENT – 0.8%		
Barclays Tri-Party Repurchase Agreement dated 6-30-21 at 0.050% to be repurchased at \$16,900,023 on 7-1-21, collateralized by \$15,858,736 U.S. Treasury Inflation Indexed Notes, 0.125% due 4-15-26 (valued at \$17,238,075)		
	\$ 16,900,000	\$ 16,900,000
TOTAL REPURCHASE AGREEMENT (Cost \$16,900,000)		
		\$ 16,900,000
Total Investments (Money Market Trust)		
(Cost \$2,128,752,388) – 100.0%		
Other assets and liabilities, net – (0.0%)		
		\$ (73,428)
TOTAL NET ASSETS – 100.0%		
		\$ 2,128,678,960

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 - 0.4%		
U.S. Government - 0.4%		
U.S. Treasury Inflation Protected Securities		
0.125%, 02/15/2051 (A)	\$ 758,848	\$ 832,974
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$816,815)		
		\$ 832,974
FOREIGN GOVERNMENT OBLIGATIONS - 42.6%		
Argentina - 0.2%		
Republic of Argentina		
1.000%, 07/09/2029	34,723	13,149
(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	485,665
		498,814
Australia - 2.1%		
Commonwealth of Australia		
3.000%, 03/21/2047	AUD 5,175,000	4,440,282
Bermuda - 0.1%		
Government of Bermuda		
2.375%, 08/20/2030	\$ 200,000	199,500
Brazil - 2.4%		
Federative Republic of Brazil		
10.000%, 01/01/2025 to 01/01/2029	BRL 23,357,000	4,982,546
Bulgaria - 0.2%		
Republic of Bulgaria		
1.375%, 09/23/2050	EUR 370,000	412,713
Canada - 1.0%		
Government of Canada		
0.500%, 12/01/2050	CAD 388,559	348,042
1.500%, 12/01/2044	570,331	603,747
2.750%, 12/01/2048	1,180,000	1,142,409
		2,094,198

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Chile - 0.5%		
Republic of Chile		
1.250%, 01/22/2051	EUR 430,000	\$ 454,443
3.100%, 01/22/2061	\$ 200,000	191,332
3.860%, 06/21/2047	200,000	220,348
5.000%, 03/01/2035	CLP 150,000,000	208,417
		1,074,540
Colombia - 0.9%		
Republic of Colombia		
3.875%, 03/22/2026	EUR 670,000	886,461
3.875%, 02/15/2061	\$ 225,000	201,319
5.625%, 02/26/2044	255,000	288,737
6.000%, 04/28/2028	COP 1,667,200,000	426,580
		1,803,097
Croatia - 0.2%		
Republic of Croatia		
1.500%, 06/17/2031	EUR 300,000	370,324
Czech Republic - 0.2%		
Czech Republic		
2.500%, 08/25/2028	CZK 7,530,000	366,665
Dominican Republic - 0.1%		
The Dominican Republic		
6.400%, 06/05/2049	\$ 150,000	161,250
7.450%, 04/30/2044	100,000	120,400
		281,650
Egypt - 0.1%		
Arab Republic of Egypt		
6.875%, 04/30/2040	125,000	121,715
Germany - 2.1%		
Federal Republic of Germany, Inflation Linked Bond		
0.500%, 04/15/2030	EUR 3,055,215	4,369,003
Ghana - 0.1%		
Republic of Ghana		
10.750%, 10/14/2030	\$ 200,000	252,433
Greece - 0.6%		
Republic of Greece, GDP-Linked Note		
4.397%, 10/15/2042 (B)*	EUR 409,185,000	1,310,016
Honduras - 0.1%		
Republic of Honduras		
5.625%, 06/24/2030	\$ 150,000	156,975
Hungary - 0.7%		
Republic of Hungary		
1.500%, 11/17/2050	EUR 475,000	523,003
1.625%, 04/28/2032	520,000	655,676
2.750%, 12/22/2026	HUF 97,030,000	337,594
		1,516,273
Iceland - 1.8%		
Republic of Iceland		
5.000%, 11/15/2028	ISK 433,770,000	3,872,057
Indonesia - 2.1%		
Republic of Indonesia		
1.100%, 03/12/2033	EUR 420,000	485,993
1.400%, 10/30/2031	380,000	458,126
8.375%, 03/15/2034	IDR 33,135,000,000	2,526,761
9.000%, 03/15/2029	11,324,000,000	903,832
		4,374,712
Israel - 1.7%		
State of Israel		
3.750%, 03/31/2047	ILS 8,740,000	3,473,588

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Ivory Coast - 0.1%			
Republic of Ivory Coast			
4.875%, 01/30/2032	EUR	200,000	\$ 236,762
Japan - 4.6%			
Government of Japan, CPI Linked Bond			
0.100%, 03/10/2028	JPY	1,047,885,084	9,668,142
Jordan - 0.1%			
The Hashemite Kingdom of Jordan			
5.850%, 07/07/2030	\$	200,000	207,808
Kazakhstan - 0.3%			
Republic of Kazakhstan			
1.500%, 09/30/2034	EUR	100,000	119,231
6.500%, 07/21/2045	\$	400,000	584,400
			<u>703,631</u>
Macedonia - 0.2%			
Republic of Macedonia			
2.750%, 01/18/2025	EUR	150,000	186,489
3.675%, 06/03/2026		200,000	261,185
			<u>447,674</u>
Malaysia - 0.3%			
Government of Malaysia			
3.899%, 11/16/2027	MYR	2,680,000	680,883
Mexico - 1.3%			
Government of Mexico			
3.625%, 04/09/2029	EUR	550,000	762,810
4.000%, 11/15/2040	MXN	19,342,262	1,046,165
5.625%, 03/19/2114	GBP	100,000	150,788
7.500%, 06/03/2027	MXN	16,859,300	881,430
			<u>2,841,193</u>
Morocco - 0.3%			
Kingdom of Morocco			
2.000%, 09/30/2030	EUR	310,000	363,545
5.500%, 12/11/2042	\$	240,000	272,429
			<u>635,974</u>
New Zealand - 0.9%			
Government of New Zealand			
1.500%, 05/15/2031	NZD	690,000	471,393
Government of New Zealand, Inflation Linked Bond			
2.500%, 09/20/2035 to 09/20/2040		1,459,226	1,385,182
			<u>1,856,575</u>
Norway - 2.3%			
Kingdom of Norway			
1.375%, 08/19/2030 (C)	NOK	20,150,000	2,348,326
1.750%, 09/06/2029 (C)		21,131,000	2,539,311
			<u>4,887,637</u>
Oman - 0.1%			
Sultanate of Oman			
6.750%, 01/17/2048	\$	200,000	198,750
Panama - 0.9%			
Republic of Panama			
3.870%, 07/23/2060		200,000	203,970
4.500%, 04/16/2050 to 04/01/2056		1,560,000	1,765,520
			<u>1,969,490</u>
Paraguay - 0.1%			
Republic of Paraguay			
5.600%, 03/13/2048		200,000	235,000
Peru - 0.2%			
Republic of Peru			
3.750%, 03/01/2030	EUR	155,000	220,476
6.950%, 08/12/2031	PEN	730,000	212,888
			<u>433,364</u>

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Philippines - 0.3%			
Republic of the Philippines			
1.750%, 04/28/2041	EUR	250,000	\$ 292,960
3.200%, 07/06/2046	\$	285,000	285,482
			<u>578,442</u>
Poland - 0.5%			
Republic of Poland			
2.375%, 01/18/2036	EUR	270,000	387,876
3.250%, 07/25/2025	PLN	2,580,000	736,631
			<u>1,124,507</u>
Qatar - 0.1%			
State of Qatar			
4.400%, 04/16/2050	\$	200,000	242,409
Romania - 0.9%			
Republic of Romania			
2.625%, 12/02/2040 (C)	EUR	540,000	633,978
2.750%, 04/14/2041 (C)		170,000	199,944
3.875%, 10/29/2035		520,000	723,331
4.750%, 02/24/2025	RON	1,080,000	278,975
			<u>1,836,228</u>
Russia - 3.0%			
Government of Russia			
6.900%, 05/23/2029	RUB	240,040,000	3,269,796
7.050%, 01/19/2028		82,055,000	1,129,256
7.650%, 04/10/2030		84,090,000	1,196,614
8.150%, 02/03/2027		42,900,000	620,117
			<u>6,215,783</u>
Saudi Arabia - 0.7%			
Kingdom of Saudi Arabia			
2.000%, 07/09/2039	EUR	680,000	831,116
2.250%, 02/02/2033 (C)	\$	667,000	647,957
			<u>1,479,073</u>
Senegal - 0.2%			
Republic of Senegal			
6.250%, 05/23/2033		200,000	210,511
6.750%, 03/13/2048		200,000	201,548
			<u>412,059</u>
Serbia - 0.1%			
Republic of Serbia			
1.650%, 03/03/2033	EUR	100,000	115,936
Slovenia - 0.2%			
Republic of Slovenia			
0.488%, 10/20/2050		345,000	368,745
South Africa - 0.3%			
Republic of South Africa			
7.000%, 02/28/2031	ZAR	11,880,000	713,051
South Korea - 5.8%			
Republic of Korea			
1.375%, 12/10/2029 to 06/10/2030	KRW	12,813,320,000	10,785,517
Republic of Korea, Inflation Linked Bond			
1.750%, 06/10/2028		1,474,094,515	1,394,735
			<u>12,180,252</u>
Thailand - 1.3%			
Kingdom of Thailand			
2.875%, 12/17/2028	THB	80,250,000	2,767,088
Turkey - 0.1%			
Republic of Turkey			
8.000%, 03/12/2025	TRY	1,690,000	145,091
Ukraine - 0.1%			
Republic of Ukraine			
7.375%, 09/25/2032	\$	200,000	209,978

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
United Arab Emirates - 0.1%		
Government of Dubai		
3.900%, 09/09/2050	\$ 200,000	\$ 186,203
Uruguay - 0.0%		
Republic of Uruguay		
8.500%, 03/15/2028	UYU 670,000	15,911
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$91,248,679)		\$ 89,564,740
CORPORATE BONDS - 20.0%		
Canada - 0.3%		
goeasy, Ltd.		
4.375%, 05/01/2026 (C)	\$ 40,000	41,000
New Red Finance, Inc.		
3.875%, 01/15/2028 (C)	165,000	167,063
Nutrien, Ltd.		
2.950%, 05/13/2030	37,000	39,030
Rogers Communications, Inc.		
3.700%, 11/15/2049	115,000	122,422
4.350%, 05/01/2049	100,000	117,700
5.000%, 03/15/2044	110,000	137,414
		624,629
Cayman Islands - 0.1%		
Seagate HDD Cayman		
3.125%, 07/15/2029 (C)	190,000	184,094
Spirit Loyalty Cayman, Ltd.		
8.000%, 09/20/2025 (C)	62,400	70,574
		254,668
Chile - 0.2%		
Empresa Nacional del Petroleo		
5.250%, 11/06/2029	200,000	223,067
Inversiones CMPC SA		
3.850%, 01/13/2030	200,000	213,302
		436,369
China - 0.4%		
CIFI Holdings Group Company, Ltd.		
4.375%, 04/12/2027	200,000	195,778
Meituan		
3.050%, 10/28/2030	200,000	197,139
Times China Holdings, Ltd.		
5.750%, 01/14/2027	200,000	190,511
Yuzhou Group Holdings Company, Ltd.		
6.350%, 01/13/2027	200,000	154,165
7.375%, 01/13/2026	200,000	156,940
		894,533
Finland - 0.5%		
Nokia OYJ		
6.625%, 05/15/2039	825,000	1,068,375
France - 0.2%		
Faurecia SE		
3.750%, 06/15/2028	EUR 145,000	180,964
Loxam SAS		
3.750%, 07/15/2026	145,000	175,716
TotalEnergies SE (2.000% to 9-4-30, then 5 Year Euro Swap Rate + 2.404% to 9-4-50, then 5 Year Euro Swap Rate + 3.154%)		
06/04/2030 (D)	100,000	119,299
		475,979
Indonesia - 0.1%		
Perusahaan Perseroan Persero PT		
Perusahaan Listrik Negara		
6.150%, 05/21/2048	\$ 200,000	252,500

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Ireland - 0.1%		
Aptiv PLC		
4.250%, 01/15/2026	\$ 15,000	\$ 16,944
Endo DAC		
9.500%, 07/31/2027 (C)	72,000	73,440
		90,384
Italy - 0.1%		
Banca Monte dei Paschi di Siena SpA		
(5.375% to 1-18-23, then 5 Year Euro Swap Rate + 5.005%)		
01/18/2028	EUR 100,000	97,232
Japan - 0.2%		
Rakuten Group, Inc. (5.125% to 4-22-26, then 5 Year CMT + 4.578% to 4-22-46, then 5 Year CMT + 5.078%)		
04/22/2026 (C)(D)	\$ 200,000	207,750
Rakuten Group, Inc. (6.250% to 4-22-31, then 5 Year CMT + 4.956% to 4-22-51, then 5 Year CMT + 5.706%)		
04/22/2031 (C)(D)	200,000	216,000
		423,750
Luxembourg - 0.3%		
Codere Finance 2 Luxembourg SA		
(4.500% Cash and 6.250% PIK)		
10.750%, 11/01/2023	EUR 525,938	452,846
Endo Luxembourg Finance Company I Sarl		
6.125%, 04/01/2029 (C)	\$ 180,000	176,400
		629,246
Malaysia - 0.1%		
Petronas Capital, Ltd.		
3.404%, 04/28/2061 (C)	200,000	204,218
Morocco - 0.1%		
OCP SA		
5.125%, 06/23/2051 (C)	215,000	216,957
Netherlands - 0.4%		
Deutsche Telekom International Finance BV		
4.875%, 03/06/2042 (C)	150,000	186,199
Teva Pharmaceutical Finance Netherlands III BV		
6.750%, 03/01/2028	400,000	438,000
Trivium Packaging Finance BV		
3.750%, 08/15/2026	EUR 140,000	168,288
		792,487
Norway - 0.0%		
Equinor ASA		
3.000%, 04/06/2027	\$ 45,000	48,884
Spain - 0.1%		
Cellnex Finance Company		
4.415%, 07/07/2041 (C)	245,000	241,874
United Arab Emirates - 0.2%		
Abu Dhabi Crude Oil Pipeline LLC		
4.600%, 11/02/2047	200,000	235,740
Galaxy Pipeline Assets Bidco, Ltd.		
2.940%, 09/30/2040	200,000	198,158
		433,898
United Kingdom - 0.3%		
AstraZeneca PLC		
4.375%, 08/17/2048	24,000	30,019
Vmed O2 UK Financing I PLC		
4.750%, 07/15/2031 (C)	370,000	375,550

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United Kingdom (continued)		
Vodafone Group PLC (4.125% to 6-4-31, then 5 Year CMT + 2.767% to 6-4-51, then 5 Year CMT + 3.517%) 06/04/2081	\$ 125,000	\$ 124,813
Vodafone Group PLC (5.125% to 6-4-51, then 5 Year CMT + 3.073% to 6-4-71, then 5 Year CMT + 3.823%) 06/04/2081	60,000	60,600
		590,982
United States - 16.3%		
Adams Homes, Inc. 7.500%, 02/15/2025 (C)	10,000	10,450
AEP Texas, Inc. 3.450%, 05/15/2051	355,000	366,811
Aircastle, Ltd. (5.250% to 9-15-26, then 5 Year CMT + 4.410% to 9-15-31, then 5 Year CMT + 4.660% to 9-15-46, then 5 Year CMT + 5.160%) 06/15/2026 (C)(D)	150,000	151,500
Alliant Holdings Intermediate LLC 6.750%, 10/15/2027 (C)	61,000	64,109
Altria Group, Inc. 4.400%, 02/14/2026	24,000	27,155
Ambience Merger Sub, Inc. 7.125%, 07/15/2029 (C)	100,000	101,000
American Airlines, Inc. 5.750%, 04/20/2029 (C)	75,000	81,094
American International Group, Inc. 1.875%, 06/21/2027	EUR 200,000	256,047
3.875%, 01/15/2035	\$ 40,000	45,236
4.750%, 04/01/2048	100,000	127,088
American University 3.672%, 04/01/2049	5,000	5,738
Anheuser-Busch Companies LLC 4.900%, 02/01/2046	35,000	44,301
Anheuser-Busch InBev Worldwide, Inc. 4.600%, 04/15/2048	20,000	24,417
Antero Midstream Partners LP 5.375%, 06/15/2029 (C)	62,000	64,635
5.750%, 03/01/2027 (C)	30,000	31,200
Antero Resources Corp. 8.375%, 07/15/2026 (C)	55,000	62,563
Anthem, Inc. 2.250%, 05/15/2030	55,000	55,473
3.700%, 09/15/2049	13,000	14,411
Apache Corp. 4.375%, 10/15/2028	60,000	63,870
Apple, Inc. 1.200%, 02/08/2028	45,000	44,356
2.650%, 05/11/2050	20,000	19,637
APX Group, Inc. 6.750%, 02/15/2027 (C)	85,000	90,627
Aramark Services, Inc. 6.375%, 05/01/2025 (C)	170,000	180,625
Arches Buyer, Inc. 6.125%, 12/01/2028 (C)	140,000	144,200
AssuredPartners, Inc. 5.625%, 01/15/2029 (C)	180,000	180,000
AT&T, Inc. 2.300%, 06/01/2027	30,000	31,029
3.500%, 06/01/2041	20,000	20,775
3.500%, 09/15/2053 (C)	48,000	48,224
AutoZone, Inc. 1.650%, 01/15/2031	30,000	28,540

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Bank of America Corp. (2.087% to 6-14-28, then SOFR + 1.060%) 06/14/2029	\$ 42,000	\$ 42,340
Bank of America Corp. (2.676% to 6-19-40, then SOFR + 1.930%) 06/19/2041	56,000	54,348
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	25,000	26,632
Bank of America Corp. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%) 01/20/2048	25,000	30,995
BAT Capital Corp. 3.222%, 08/15/2024	45,000	47,797
4.390%, 08/15/2037	37,000	39,896
4.906%, 04/02/2030	44,000	50,549
Bausch Health Companies, Inc. 4.875%, 06/01/2028 (C)	40,000	40,940
5.250%, 01/30/2030 (C)	185,000	172,050
BCPE Ulysses Intermediate, Inc. (7.750% Cash or 8.500% PIK) 7.750%, 04/01/2027 (C)	59,000	60,475
Beacon Roofing Supply, Inc. 4.125%, 05/15/2029 (C)	95,000	94,757
Belo Corp. 7.250%, 09/15/2027	98,000	113,680
Berkshire Hathaway Energy Company 2.850%, 05/15/2051	24,000	23,220
Black Knight InfoServ LLC 3.625%, 09/01/2028 (C)	675,000	671,598
Blue Racer Midstream LLC 7.625%, 12/15/2025 (C)	10,000	10,837
Bon Secours Mercy Health, Inc. 2.095%, 06/01/2031	23,000	22,788
Booz Allen Hamilton, Inc. 3.875%, 09/01/2028 (C)	640,000	652,800
Boston Gas Company 3.001%, 08/01/2029 (C)	105,000	110,503
Boston Scientific Corp. 4.700%, 03/01/2049	15,000	19,184
Boyd Gaming Corp. 8.625%, 06/01/2025 (C)	145,000	159,844
BP Capital Markets America, Inc. 2.772%, 11/10/2050	30,000	27,782
3.379%, 02/08/2061	200,000	201,063
Brandywine Operating Partnership LP 4.550%, 10/01/2029	20,000	22,406
Brighthouse Financial, Inc. 5.625%, 05/15/2030	22,000	26,768
Brixmor Operating Partnership LP 3.900%, 03/15/2027	30,000	32,917
Broadcom Corp. 3.875%, 01/15/2027	70,000	77,348
Broadcom, Inc. 4.300%, 11/15/2032	170,000	193,583
Buckeye Partners LP 4.500%, 03/01/2028 (C)	185,000	189,682
Builders FirstSource, Inc. 5.000%, 03/01/2030 (C)	479,000	503,645
BWX Technologies, Inc. 4.125%, 06/30/2028 (C)	170,000	173,188
Caesars Entertainment, Inc. 8.125%, 07/01/2027 (C)	125,000	139,025

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Carnival Corp. 7.625%, 03/01/2026 (C)	\$ 120,000	\$ 130,350
11.500%, 04/01/2023 (C)	125,000	140,675
Carrier Global Corp. 3.577%, 04/05/2050	22,000	23,330
CCO Holdings LLC 5.375%, 06/01/2029 (C)	108,000	118,055
CDW LLC 3.250%, 02/15/2029	649,000	657,567
CenterPoint Energy Houston Electric LLC 2.350%, 04/01/2031	45,000	46,136
CF Industries, Inc. 4.950%, 06/01/2043	140,000	165,493
5.375%, 03/15/2044	20,000	24,784
Charter Communications Operating LLC 3.700%, 04/01/2051	38,000	37,585
Cimarex Energy Company 4.375%, 06/01/2024	30,000	32,653
Citigroup, Inc. 5.300%, 05/06/2044	10,000	13,466
Citigroup, Inc. (3.106% to 4-8-25, then SOFR + 2.842%) 04/08/2026	65,000	69,563
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.914%) 03/31/2031	20,000	23,353
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.234%) 01/30/2025 (D)	380,000	392,103
Cleco Corporate Holdings LLC 4.973%, 05/01/2046	4,000	4,782
Comcast Corp. 2.800%, 01/15/2051	12,000	11,546
3.750%, 04/01/2040	40,000	45,091
CommonSpirit Health 2.782%, 10/01/2030	30,000	31,131
3.817%, 10/01/2049	115,000	128,825
Commonwealth Edison Company 3.125%, 03/15/2051	23,000	24,009
Community Health Network, Inc. 3.099%, 05/01/2050	220,000	218,815
Community Health Systems, Inc. 4.750%, 02/15/2031 (C)	25,000	25,094
6.000%, 01/15/2029 (C)	50,000	53,500
Compass Group Diversified Holdings LLC 5.250%, 04/15/2029 (C)	75,000	78,000
Conagra Brands, Inc. 5.400%, 11/01/2048	165,000	221,495
Consolidated Communications, Inc. 6.500%, 10/01/2028 (C)	109,000	117,257
Continental Resources, Inc. 4.500%, 04/15/2023	25,000	26,015
CP Atlas Buyer, Inc. 7.000%, 12/01/2028 (C)	30,000	31,088
Credit Acceptance Corp. 6.625%, 03/15/2026	160,000	168,400
CSC Holdings LLC 3.375%, 02/15/2031 (C)	200,000	188,982
CVS Health Corp. 4.780%, 03/25/2038	18,000	22,144
5.050%, 03/25/2048	20,000	25,978

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Deutsche Bank AG (2.222% to 9-18-23, then SOFR + 2.159%) 09/18/2024	\$ 150,000	\$ 154,053
Diamondback Energy, Inc. 4.750%, 05/31/2025	30,000	33,778
Discovery Communications LLC 5.000%, 09/20/2037	20,000	24,269
DISH DBS Corp. 5.125%, 06/01/2029 (C)	61,000	60,233
Dollar General Corp. 4.125%, 05/01/2028	45,000	51,534
Dominion Energy South Carolina, Inc. 5.300%, 05/15/2033	10,000	12,970
6.625%, 02/01/2032	10,000	13,918
DT Midstream, Inc. 4.125%, 06/15/2029 (C)	60,000	60,920
4.375%, 06/15/2031 (C)	70,000	71,525
Duke Energy Corp. 3.300%, 06/15/2041	100,000	102,433
Duke Realty LP 1.750%, 02/01/2031	125,000	119,900
Eagle Materials, Inc. 2.500%, 07/01/2031 (E)	34,000	33,684
Embarq Corp. 7.995%, 06/01/2036	25,000	28,341
Enact Holdings, Inc. 6.500%, 08/15/2025 (C)	100,000	110,220
Endure Digital, Inc. 6.000%, 02/15/2029 (C)	190,000	188,100
Energizer Holdings, Inc. 4.375%, 03/31/2029 (C)	180,000	180,185
Energy Transfer LP 4.200%, 04/15/2027	15,000	16,566
4.750%, 01/15/2026	20,000	22,516
5.000%, 05/15/2050	10,000	11,558
EnLink Midstream LLC 5.625%, 01/15/2028 (C)	114,000	120,428
Equifax, Inc. 2.600%, 12/15/2025	10,000	10,524
Every Metro, Inc. 3.650%, 08/15/2025	45,000	49,401
4.200%, 03/15/2048	10,000	12,068
Exelon Corp. 4.050%, 04/15/2030	27,000	30,751
4.450%, 04/15/2046	5,000	6,062
FirstCash, Inc. 4.625%, 09/01/2028 (C)	696,000	727,564
Flex Acquisition Company, Inc. 7.875%, 07/15/2026 (C)	100,000	104,000
Flex, Ltd. 4.875%, 05/12/2030	130,000	150,860
Freedom Mortgage Corp. 6.625%, 01/15/2027 (C)	185,000	186,156
7.625%, 05/01/2026 (C)	70,000	72,870
8.125%, 11/15/2024 (C)	199,000	205,716
Frontier Communications Holdings LLC 5.875%, 10/15/2027 (C)	75,000	80,344
6.750%, 05/01/2029 (C)	160,000	170,123
General Electric Company 6.750%, 03/15/2032	15,000	20,792
General Motors Financial Company, Inc. 2.400%, 04/10/2028	45,000	45,684
4.350%, 01/17/2027	32,000	35,977
Genworth Holdings, Inc. 6.500%, 06/15/2034	65,000	66,088

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Genworth Holdings, Inc. (continued)		
7.625%, 09/24/2021	\$ 55,000	\$ 55,847
Gilead Sciences, Inc.		
2.800%, 10/01/2050	35,000	33,712
Global Payments, Inc.		
3.200%, 08/15/2029	31,000	33,181
Graphic Packaging International LLC		
3.500%, 03/01/2029 (C)	190,000	188,233
Gray Oak Pipeline LLC		
2.600%, 10/15/2025 (C)	46,000	47,253
3.450%, 10/15/2027 (C)	285,000	299,544
Gray Television, Inc.		
4.750%, 10/15/2030 (C)	95,000	94,670
GTCR AP Finance, Inc.		
8.000%, 05/15/2027 (C)	50,000	53,250
GYP Holdings III Corp.		
4.625%, 05/01/2029 (C)	90,000	90,338
Hawaiian Brand Intellectual Property, Ltd.		
5.750%, 01/20/2026 (C)	119,171	127,943
Healthpeak Properties, Inc.		
3.500%, 07/15/2029	40,000	44,168
Hess Corp.		
5.800%, 04/01/2047	20,000	26,061
Hewlett Packard Enterprise Company		
6.350%, 10/15/2045	30,000	40,301
Hightower Holding LLC		
6.750%, 04/15/2029 (C)	210,000	214,200
Hologic, Inc.		
3.250%, 02/15/2029 (C)	185,000	183,381
Home Point Capital, Inc.		
5.000%, 02/01/2026 (C)	729,000	679,793
HUB International, Ltd.		
7.000%, 05/01/2026 (C)	84,000	87,116
Huntsman International LLC		
4.500%, 05/01/2029	20,000	22,739
Intercontinental Exchange, Inc.		
2.650%, 09/15/2040	34,000	32,585
4.250%, 09/21/2048	135,000	158,940
JetBlue 2020-1 Class A Pass Through Trust		
4.000%, 11/15/2032	261,166	287,914
JPMorgan Chase & Co.		
5.500%, 10/15/2040	25,000	34,263
JPMorgan Chase & Co. (2.301% to 10-15-24, then SOFR + 1.160%) 10/15/2025	60,000	62,491
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	15,000	15,476
JPMorgan Chase & Co. (3.882% to 7-24-37, then 3 month LIBOR + 1.360%) 07/24/2038	25,000	28,799
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (D)	480,000	497,424
Kaiser Foundation Hospitals		
2.810%, 06/01/2041	10,000	10,199
Kraft Heinz Foods Company		
4.250%, 03/01/2031	30,000	34,080
L Brands, Inc.		
7.500%, 06/15/2029	102,000	120,105
L3Harris Technologies, Inc.		
3.850%, 06/15/2023	45,000	47,831

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Ladder Capital Finance Holdings LLLP		
4.250%, 02/01/2027 (C)	\$ 51,000	\$ 50,928
5.250%, 10/01/2025 (C)	130,000	132,275
Lamar Media Corp.		
3.625%, 01/15/2031 (C)	190,000	185,725
LBM Acquisition LLC		
6.250%, 01/15/2029 (C)	254,000	255,956
LD Holdings Group LLC		
6.125%, 04/01/2028 (C)	113,000	112,859
6.500%, 11/01/2025 (C)	230,000	236,164
Lear Corp.		
3.800%, 09/15/2027	17,000	18,737
Lennar Corp.		
4.750%, 11/29/2027	155,000	179,160
LGI Homes, Inc.		
4.000%, 07/15/2029 (C)	126,000	126,630
Liberty Mutual Group, Inc.		
4.300%, 02/01/2061 (C)	235,000	214,663
Lincoln National Corp.		
3.400%, 01/15/2031	30,000	32,760
Macy's Retail Holdings LLC		
5.875%, 04/01/2029 (C)	10,000	10,754
Magic Mergeco, Inc.		
7.875%, 05/01/2029 (C)	299,000	308,344
Marvell Technology, Inc.		
2.950%, 04/15/2031 (C)	95,000	98,455
Matador Resources Company		
5.875%, 09/15/2026	147,000	151,410
McKesson Corp.		
4.750%, 05/30/2029	145,000	171,837
MGIC Investment Corp.		
5.250%, 08/15/2028	100,000	106,000
Microsoft Corp.		
3.450%, 08/08/2036	25,000	28,902
MidAmerican Energy Company		
3.150%, 04/15/2050	22,000	23,498
Midcap Financial Issuer Trust		
5.625%, 01/15/2030 (C)	375,000	376,448
6.500%, 05/01/2028 (C)	60,000	62,792
Molson Coors Beverage Company		
4.200%, 07/15/2046	40,000	44,562
Morgan Stanley		
3.950%, 04/23/2027	10,000	11,174
4.875%, 11/01/2022	10,000	10,565
Morgan Stanley (0.790% to 5-30-24, then SOFR + 0.525%) 05/30/2025	20,000	19,929
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	40,000	44,650
MSCI, Inc.		
3.875%, 02/15/2031 (C)	980,013	1,016,980
Nasdaq, Inc.		
0.875%, 02/13/2030	EUR 100,000	120,221
National Retail Properties, Inc.		
4.300%, 10/15/2028	\$ 30,000	33,965
Nationstar Mortgage Holdings, Inc.		
5.125%, 12/15/2030 (C)	120,000	119,400
5.500%, 08/15/2028 (C)	85,000	85,691
NMI Holdings, Inc.		
7.375%, 06/01/2025 (C)	35,000	40,109
Nordstrom, Inc.		
2.300%, 04/08/2024 (C)	35,000	35,110
Northern States Power Company		
2.600%, 06/01/2051	25,000	23,745

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Novant Health, Inc. 2.637%, 11/01/2036	\$ 15,000	\$ 15,280
Novelis Corp. 4.750%, 01/30/2030 (C)	110,000	115,500
Occidental Petroleum Corp. 3.000%, 02/15/2027	70,000	69,475
4.400%, 08/15/2049	75,000	72,000
Oglethorpe Power Corp. 3.750%, 08/01/2050	4,000	4,222
5.250%, 09/01/2050	4,000	5,040
Oncor Electric Delivery Company LLC 2.750%, 05/15/2030	50,000	53,134
OneMain Finance Corp. 6.625%, 01/15/2028	50,000	57,318
Open Text Holdings, Inc. 4.125%, 02/15/2030 (C)	175,000	178,465
Oracle Corp. 3.600%, 04/01/2050	25,000	25,671
3.950%, 03/25/2051	140,000	152,808
4.100%, 03/25/2061	105,000	116,413
Otis Worldwide Corp. 3.112%, 02/15/2040	20,000	20,671
Pacific Gas & Electric Company 3.300%, 08/01/2040	140,000	126,430
4.500%, 07/01/2040	125,000	125,061
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (C)	36,000	36,804
PDC Energy, Inc. 5.750%, 05/15/2026	460,000	480,553
PennyMac Financial Services, Inc. 4.250%, 02/15/2029 (C)	615,000	592,497
Penske Truck Leasing Company LP 4.250%, 01/17/2023 (C)	35,000	36,916
Phillips 66 Partners LP 3.150%, 12/15/2029	50,000	52,516
Plains All American Pipeline LP 3.800%, 09/15/2030	55,000	58,853
Post Holdings, Inc. 4.500%, 09/15/2031 (C)	175,000	174,711
4.625%, 04/15/2030 (C)	170,000	172,861
5.625%, 01/15/2028 (C)	112,000	118,720
Presidio Holdings, Inc. 8.250%, 02/01/2028 (C)	275,000	299,063
Range Resources Corp. 8.250%, 01/15/2029 (C)	5,000	5,638
Rattler Midstream LP 5.625%, 07/15/2025 (C)	165,000	173,456
Reynolds American, Inc. 4.850%, 09/15/2023	20,000	21,813
5.850%, 08/15/2045	580,000	710,184
Rockies Express Pipeline LLC 7.500%, 07/15/2038 (C)	155,000	171,275
Royalty Pharma PLC 3.300%, 09/02/2040 (C)	34,000	34,238
salesforce.com, Inc. 2.700%, 07/15/2041 (E)	30,000	30,124
3.050%, 07/15/2061 (E)	135,000	136,785
San Diego Gas & Electric Company 3.320%, 04/15/2050	40,000	42,314
Santander Holdings USA, Inc. 3.450%, 06/02/2025	35,000	37,612
Scripps Escrow II, Inc. 5.375%, 01/15/2031 (C)	65,000	64,795
Service Properties Trust 4.950%, 10/01/2029	190,000	187,388

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Signal Parent, Inc. 6.125%, 04/01/2029 (C)	\$ 167,000	\$ 160,320
Sirius XM Radio, Inc. 4.125%, 07/01/2030 (C)	85,000	85,755
SLM Corp. 4.200%, 10/29/2025	57,000	61,275
Southern California Edison Company 3.650%, 02/01/2050	125,000	125,011
4.125%, 03/01/2048	120,000	127,882
Specialty Building Products Holdings LLC 6.375%, 09/30/2026 (C)	75,000	78,541
Spirit AeroSystems, Inc. 5.500%, 01/15/2025 (C)	25,000	26,563
SRM Escrow Issuer LLC 6.000%, 11/01/2028 (C)	120,000	127,200
SRS Distribution, Inc. 6.125%, 07/01/2029 (C)	75,000	77,183
Standard Industries, Inc. 4.375%, 07/15/2030 (C)	609,000	628,031
Stevens Holding Company, Inc. 6.125%, 10/01/2026 (C)	155,000	166,238
STL Holding Company LLC 7.500%, 02/15/2026 (C)	100,000	105,250
Sutter Health 4.091%, 08/15/2048	105,000	125,810
Synchrony Financial 3.700%, 08/04/2026	45,000	49,134
4.375%, 03/19/2024	10,000	10,884
Sysco Corp. 6.600%, 04/01/2040 to 04/01/2050	153,000	226,575
Targa Resources Partners LP 5.375%, 02/01/2027	55,000	57,269
Teledyne Technologies, Inc. 2.750%, 04/01/2031	45,000	46,222
Terex Corp. 5.000%, 05/15/2029 (C)	188,000	195,990
The Brooklyn Union Gas Company 4.273%, 03/15/2048 (C)	105,000	119,477
The Charles Schwab Corp. 0.750%, 03/18/2024	40,000	40,226
The Charles Schwab Corp. (5.000% to 12-1-27, then 3 month LIBOR + 2.575%) 12/01/2027 (D)	175,000	184,844
The Dun & Bradstreet Corp. 10.250%, 02/15/2027 (C)	90,000	99,381
The Home Depot, Inc. 2.375%, 03/15/2051	35,000	32,372
The Southern Company 3.700%, 04/30/2030	15,000	16,541
The Southern Company (3.750% to 9-15-26, then 5 Year CMT + 2.915%) 09/15/2051	185,000	186,184
The Toledo Hospital 5.750%, 11/15/2038	100,000	121,725
The University of Chicago 2.761%, 04/01/2045	25,000	25,358
The William Carter Company 5.625%, 03/15/2027 (C)	618,000	650,260
The Williams Companies, Inc. 3.500%, 11/15/2030	42,000	45,840
T-Mobile USA, Inc. 3.750%, 04/15/2027	30,000	33,150
4.500%, 04/15/2050	19,000	22,624

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
TopBuild Corp. 3.625%, 03/15/2029 (C)	\$ 220,000	\$ 217,800
TransDigm, Inc. 6.250%, 03/15/2026 (C)	170,000	179,350
TreeHouse Foods, Inc. 4.000%, 09/01/2028	90,000	89,325
Tri Pointe Homes, Inc. 5.700%, 06/15/2028	165,000	181,913
United Natural Foods, Inc. 6.750%, 10/15/2028 (C)	113,000	121,606
United States Steel Corp. 6.875%, 03/01/2029	195,000	208,650
United Wholesale Mortgage LLC 5.500%, 11/15/2025 to 04/15/2029 (C)	931,000	934,827
UnitedHealth Group, Inc. 3.750%, 10/15/2047	25,000	28,723
Unum Group 4.000%, 03/15/2024	34,000	36,649
4.125%, 06/15/2051	155,000	156,382
VEREIT Operating Partnership LP 3.400%, 01/15/2028	10,000	10,875
Verizon Communications, Inc. 2.100%, 03/22/2028	35,000	35,732
3.400%, 03/22/2041	20,000	21,157
4.000%, 03/22/2050	10,000	11,484
4.016%, 12/03/2029	65,000	74,530
ViacomCBS, Inc. 5.250%, 04/01/2044	20,000	25,584
Victoria's Secret & Company 4.625%, 07/15/2029 (C)	126,000	126,000
Victors Merger Corp. 6.375%, 05/15/2029 (C)	275,000	277,063
Viper Energy Partners LP 5.375%, 11/01/2027 (C)	640,000	666,694
Wabtec Corp. 3.200%, 06/15/2025	80,000	85,080
Wells Fargo & Company 5.375%, 11/02/2043	20,000	26,673
Wells Fargo & Company (5.013% to 4-4-50, then SOFR + 4.502%) 04/04/2051	15,000	20,548
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (D)	239,000	267,658
Xcel Energy, Inc. 3.400%, 06/01/2030	27,000	29,596
Xerox Holdings Corp. 5.500%, 08/15/2028 (C)	175,000	181,823
Yum! Brands, Inc. 7.750%, 04/01/2025 (C)	70,000	76,125
Zoetis, Inc. 3.000%, 05/15/2050	25,000	25,792
		34,202,720
TOTAL CORPORATE BONDS (Cost \$40,760,154)		\$ 41,979,685
CONVERTIBLE BONDS - 1.6%		
Israel - 0.0%		
SolarEdge Technologies, Inc., Zero Coupon, 0.000%, 09/15/2025 (C)	20,000	25,050
Italy - 0.1%		
Nexi SpA, 1.750%, 04/24/2027	EUR 100,000	146,418
Spain - 0.0%		
Cellnex Telecom SA, 0.750%, 11/20/2031	100,000	115,848

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
United Kingdom - 0.2%		
Endeavour Mining Corp., 3.000%, 02/15/2023 (C)	\$ 400,000	\$ 452,520
United States - 1.3%		
Airbnb, Inc., 1.248%, 03/15/2026 (C)(F)	105,000	98,963
Apellis Pharmaceuticals, Inc., 3.500%, 09/15/2026	60,000	110,625
Bandwidth, Inc., 0.250%, 03/01/2026	25,000	40,550
Bandwidth, Inc., 0.500%, 04/01/2028 (C)	90,000	92,475
Bloomin' Brands, Inc., 5.000%, 05/01/2025	8,000	19,395
DraftKings, Inc., 1.544%, 03/15/2028 (C)(F)	20,000	18,020
Etsy, Inc., 0.125%, 10/01/2026	12,000	28,752
FTI Consulting, Inc., 2.000%, 08/15/2023	25,000	35,675
JetBlue Airways Corp., 0.500%, 04/01/2026 (C)	20,000	19,930
John Bean Technologies Corp., 0.250%, 05/15/2026 (C)	24,000	25,464
Lumentum Holdings, Inc., 0.500%, 12/15/2026	95,000	102,486
Medallia, Inc., 0.125%, 09/15/2025 (C)	85,000	92,650
MicroStrategy, Inc., 5.265%, 02/15/2027 (C)(F)	420,000	313,320
NuVasive, Inc., 0.375%, 03/15/2025	170,000	167,556
Pebblebrook Hotel Trust, 1.750%, 12/15/2026	104,000	117,936
Pegasystems, Inc., 0.750%, 03/01/2025	80,000	95,300
Penn National Gaming, Inc., 2.750%, 05/15/2026	8,000	26,695
Pioneer Natural Resources Company, 0.250%, 05/15/2025	65,000	103,708
Rapid7, Inc., 0.250%, 03/15/2027 (C)	85,000	94,299
Redfin Corp., 0.500%, 04/01/2027 (C)	100,000	98,650
Repay Holdings Corp., 0.216%, 02/01/2026 (C)(F)	86,000	85,140
Revance Therapeutics, Inc., 1.750%, 02/15/2027	75,000	87,499
RingCentral, Inc., Zero Coupon, 0.000%, 03/15/2026 (C)	95,000	96,069
Southwest Airlines Company, 1.250%, 05/01/2025	17,000	25,744
Splunk, Inc., 1.125%, 06/15/2027	125,000	121,797
Spotify USA, Inc., 1.395%, 03/15/2026 (C)(F)	90,000	84,240
Square, Inc., 0.125%, 03/01/2025	15,000	30,891
Tandem Diabetes Care, Inc., 1.500%, 05/01/2025 (C)	75,000	85,223
The Middleby Corp., 1.000%, 09/01/2025 (C)	101,000	145,390
Twitter, Inc., 0.997%, 03/15/2026 (C)(F)	100,000	95,375
Uber Technologies, Inc., Zero Coupon, 0.000%, 12/15/2025 (C)	30,000	30,420
Workday, Inc., 0.250%, 10/01/2022	55,000	90,921
		2,681,158
TOTAL CONVERTIBLE BONDS (Cost \$3,188,728)		\$ 3,420,994
MUNICIPAL BONDS - 3.4%		
United States - 3.4%		
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	60,000	67,613
Chicago Transit Authority (Illinois) 3.502%, 12/01/2033	435,000	481,213

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
Chicago Transit Authority, Series A (Illinois) 6.899%, 12/01/2040	\$ 55,000	\$ 78,235
City & County of Denver Company Airport System Revenue (Colorado) 2.717%, 11/15/2034	105,000	108,491
City & County of Denver Company Airport System Revenue (Colorado) 2.867%, 11/15/2037	75,000	76,998
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2032	100,000	128,839
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2044	240,000	301,605
City of Houston Airport System Revenue (Texas) 2.385%, 07/01/2031	240,000	245,477
City of Tampa (Florida) 2.780%, 09/01/2036 (F)	100,000	65,566
Commonwealth of Massachusetts, GO 2.514%, 07/01/2041	625,000	630,414
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2033	70,000	90,269
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2029	100,000	131,041
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2028	150,000	191,950
County of Miami-Dade Aviation Revenue (Florida) 2.786%, 10/01/2037	200,000	201,254
County of Miami-Dade Aviation Revenue (Florida) 4.000%, 10/01/2036	115,000	138,398
County of Miami-Dade Aviation Revenue (Florida) 3.270%, 10/01/2041	50,000	51,431
Dallas Fort Worth International Airport (Texas) 3.089%, 11/01/2040	130,000	134,218
District of Columbia 3.432%, 04/01/2042	405,000	427,423
Grand Parkway Transportation Corp. (Texas) 3.236%, 10/01/2052	190,000	194,274
Greater Orlando Aviation Authority (Florida) 5.000%, 10/01/2028	150,000	176,158
Iowa Finance Authority 3.250%, 07/01/2050	50,000	54,951
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2050	110,000	137,101
Metropolitan Transportation Authority (New York) 6.668%, 11/15/2039	15,000	21,831
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2029	100,000	130,664
Michigan Strategic Fund 3.225%, 09/01/2047 (E)	75,000	76,124

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
New Jersey Transportation Trust Fund Authority 4.000%, 06/15/2045	\$ 50,000	\$ 58,343
New York City Transitional Finance Authority 4.000%, 05/01/2045	75,000	88,996
Orange County Convention Center (Florida) 5.000%, 10/01/2031	55,000	64,495
Port Authority of New York & New Jersey 4.000%, 03/15/2030	230,000	273,568
Port Authority of New York & New Jersey 5.000%, 09/15/2033	140,000	172,857
Port Authority of New York & New Jersey 4.823%, 06/01/2045	140,000	158,344
Port Authority of New York & New Jersey 1.086%, 07/01/2023	25,000	25,318
Port of Seattle (Washington) 5.000%, 04/01/2039	190,000	234,281
Port of Seattle (Washington) 5.000%, 10/01/2031	100,000	118,086
San Diego County Regional Transportation Commission (California) 3.248%, 04/01/2048	75,000	78,052
San Francisco City & County Airport Commission (California) 5.000%, 05/01/2050	325,000	400,693
San Francisco City & County Airport Commission (California) 4.000%, 05/01/2039	160,000	189,514
San Francisco City & County Airport Commission (California) 2.958%, 05/01/2051	155,000	152,772
State of Hawaii Airports System Revenue 4.000%, 07/01/2035	100,000	120,063
State of Hawaii Airports System Revenue 5.000%, 07/01/2034	295,000	379,641
Triborough Bridge & Tunnel Authority (New York) 5.000%, 11/15/2054	140,000	179,616
University of California 1.316%, 05/15/2027	45,000	45,137
Wisconsin Center District 4.173%, 12/15/2050	65,000	70,328
TOTAL MUNICIPAL BONDS (Cost \$6,801,342)	\$	7,151,642
TERM LOANS (G) - 8.6%		
France - 0.1%		
CAB SELAS, 2021 EUR Term Loan B (3 month EURIBOR + 3.500%), 3.500%, 01/28/2028	EUR 140,000	164,967
Germany - 0.0%		
Birkenstock US BidCo, Inc., USD Term Loan B, TBD 04/27/2028 (H)	\$ 100,000	99,958
Israel - 0.0%		
Playtika Holding Corp., 2021 Term Loan (1 month LIBOR + 2.750%), 2.854%, 03/13/2028	99,750	99,240

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Luxembourg - 0.2%		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%), 3.500%, 02/01/2024	\$ 200,000	\$ 198,782
Jazz Financing Lux Sarl, USD Term Loan (1 month LIBOR + 3.500%), 4.000%, 04/21/2028	105,000	105,295
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month LIBOR + 3.750%), 4.500%, 10/01/2026	99,499	99,803
		403,880
Netherlands - 0.2%		
Boels Topholding BV, 2020 EUR Term Loan B (3 month EURIBOR + 4.000%), 4.000%, 02/06/2027	EUR 155,000	182,872
Telenet Financing USD LLC, 2020 USD Term Loan AR (1 month LIBOR + 2.000%), 2.073%, 04/30/2028	\$ 200,000	197,100
		379,972
Sweden - 0.2%		
Verisure Holding AB, 2020 EUR Term Loan B (3 month EURIBOR + 3.500%), 3.500%, 07/20/2026	EUR 155,000	183,209
Verisure Holding AB, 2021 EUR Term Loan (3 month EURIBOR + 3.500%), 3.500%, 03/27/2028	185,000	218,605
		401,814
United Kingdom - 0.1%		
Lorca Finco PLC, EUR New Money Term Loan B2 (6 month EURIBOR + 4.250%), 4.250%, 09/17/2027	180,000	213,488
United States - 7.8%		
Acrisure LLC, 2020 Term Loan B (3 month LIBOR + 3.500%), 3.604%, 02/15/2027	\$ 246,875	243,994
Adient U.S. LLC, 2021 Term Loan B (1 month LIBOR + 3.500%), 3.604%, 04/08/2028	100,000	99,969
ADMI Corp., 2021 Incremental Term Loan B3, TBD 12/23/2027 (H)	100,000	99,813
ADMI Corp., 2021 Term Loan B2 (1 month LIBOR + 2.750%), 3.250%, 12/23/2027	99,750	98,566
AlixPartners LLP, 2021 USD Term Loan B (1 month LIBOR + 2.750%), 3.250%, 02/04/2028	159,600	158,869
Alliance Laundry Systems LLC, Term Loan B (3 month LIBOR + 3.500%), 4.250%, 10/08/2027	123,036	123,132
Altra Industrial Motion Corp., 2018 Term Loan B (1 month LIBOR + 2.000%), 2.104%, 10/01/2025	82,770	82,227
Amentum Government Services Holdings LLC, Term Loan B (1 month LIBOR + 3.500%), 3.604%, 01/29/2027	99,000	98,678
American Airlines, Inc., 2021 Term Loan (3 month LIBOR + 4.750%), 5.500%, 04/20/2028	100,000	104,175
APX Group, Inc., 2020 Term Loan (Prime rate + 4.000%), 7.250%, 12/31/2025	99,000	99,140
Aramark Services, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%), 1.854%, 03/11/2025	125,000	123,541

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
Aretec Group, Inc., 2018 Term Loan (1 month LIBOR + 4.250%), 4.345%, 10/01/2025	\$ 196,970	\$ 196,170
Asurion LLC, 2020 Term Loan B8 (1 month LIBOR + 3.250%), 3.354%, 12/23/2026	147,827	146,072
Asurion LLC, 2021 2nd Lien Term Loan B3 (1 month LIBOR + 5.250%), 5.354%, 01/31/2028	145,000	146,027
Avantor Funding, Inc., 2020 Incremental Term Loan B4 (1 month LIBOR + 2.250%), 3.250%, 11/08/2027	179,100	179,025
Bausch Health Americas, Inc., 2018 Term Loan B (1 month LIBOR + 3.000%), 3.104%, 06/02/2025	109,459	108,953
Beacon Roofing Supply, Inc., 2021 Term Loan B (1 month LIBOR + 2.500%), 2.604%, 04/23/2028	197,943	196,734
Belron Finance US LLC, 2019 USD Term Loan B3 (3 month LIBOR + 2.250%), 2.438%, 10/30/2026	197,494	196,074
Berlin Packaging LLC, 2018 1st Lien Term Loan (1 and 3 month LIBOR + 3.000%), 3.100%, 11/07/2025	252,394	249,948
Blackhawk Network Holdings, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.000%), 3.104%, 06/15/2025	173,657	171,511
Boyd Gaming Corp., Term Loan B3 (1 week LIBOR + 2.250%), 2.338%, 09/15/2023	195,904	195,585
Brightview Landscapes LLC, 2018 1st Lien Term Loan B (1 month LIBOR + 2.500%), 2.625%, 08/15/2025	98,728	98,111
BY Crown Parent LLC, Term Loan B1 (1 month LIBOR + 3.000%), 4.000%, 02/02/2026	99,000	98,876
Caesars Resort Collection LLC, 2020 Term Loan B1 (1 month LIBOR + 4.500%), 4.604%, 07/21/2025	168,725	169,147
Change Healthcare Holdings LLC, 2017 Term Loan B (1 month LIBOR + 2.500%), 3.500%, 03/01/2024	184,677	184,437
Charter Communications Operating LLC, 2019 Term Loan B2 (1 month LIBOR + 1.750%), 1.860%, 02/01/2027	148,116	147,005
Clarios Global LP, 2021 USD Term Loan B (1 month LIBOR + 3.250%), 3.354%, 04/30/2026	182,644	180,818
Core & Main LP, 2017 Term Loan B (1 and 3 month LIBOR + 2.750%), 3.750%, 08/01/2024	246,803	246,418
Dcort Buyer, Inc., 2019 Term Loan B (1 month LIBOR + 4.000%), 4.104%, 10/16/2026	197,500	197,583
Deerfield Dakota Holding LLC, 2020 EUR Term Loan B (1 month EURIBOR + 4.000%), 4.000%, 04/09/2027	EUR 297,000	353,605
Deerfield Dakota Holding LLC, 2020 USD Term Loan B (1 month LIBOR + 3.750%), 4.750%, 04/09/2027	\$ 697,950	700,567
Diamond BC BV, EUR Term Loan (3 month EURIBOR + 3.250%), 3.250%, 09/06/2024	EUR 48,160	56,874

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
Diamond BC BV, USD Term Loan (3 month LIBOR + 3.000%), 3.185%, 09/06/2024	\$ 222,123	\$ 220,781
DT Midstream, Inc., Term Loan B, TBD 05/25/2028 (H)	130,000	130,116
E2open LLC, 2020 Term Loan B, TBD 02/04/2028 (H)	115,000	115,000
EG America LLC, 2021 Term Loan, TBD 03/31/2026 (H)	100,000	100,000
Elanco Animal Health, Inc., Term Loan B (1 month LIBOR + 1.750%), 1.842%, 08/02/2027	290,520	285,921
Element Solutions, Inc., 2019 Term Loan B1 (1 month LIBOR + 2.000%), 2.104%, 01/31/2026	197,487	197,118
Endurance International Group Holdings, Inc., Term Loan (3 month LIBOR + 3.500%), 4.250%, 02/10/2028	100,000	99,458
Ensemble RCM LLC, Term Loan (3 month LIBOR + 3.750%), 3.936%, 08/03/2026	99,494	99,515
Epicor Software Corp., 2020 Term Loan (1 month LIBOR + 3.250%), 4.000%, 07/30/2027	135,057	134,849
Flex Acquisition Company, Inc., 2021 Term Loan (3 month LIBOR + 3.500%), 4.000%, 02/23/2028	100,000	99,521
Frontier Communications Holdings LLC, 2021 DIP Term Loan B (1 month LIBOR + 3.750%), 4.500%, 05/01/2028	99,750	99,750
Gainwell Acquisition Corp., Term Loan B (3 month LIBOR + 4.000%), 4.750%, 10/01/2027	114,425	114,682
Go Daddy Operating Company LLC, 2021 Term Loan B4 (1 month LIBOR + 2.000%), 2.104%, 08/10/2027	133,650	132,752
Gray Television, Inc., 2018 Term Loan C (1 month LIBOR + 2.500%), 2.592%, 01/02/2026	250,000	248,658
Great Outdoors Group LLC, 2021 Term Loan B (6 month LIBOR + 4.250%), 5.000%, 03/06/2028	278,600	279,297
Harbor Freight Tools USA, Inc., 2020 Term Loan B (1 month LIBOR + 3.000%), 3.750%, 10/19/2027	132,324	132,235
Hayward Industries, Inc., 2021 Term Loan, TBD 05/12/2028 (H)	125,000	124,649
Heartland Dental LLC, 2021 Incremental Term Loan, TBD 04/30/2025 (H)	120,000	119,700
Horizon Therapeutics USA, Inc., 2021 Term Loan B (1 month LIBOR + 2.000%), 2.500%, 03/15/2028	114,713	113,888
HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 2.750%), 2.926%, 04/25/2025	246,193	243,335
HUB International, Ltd., 2021 Term Loan B (3 month LIBOR + 3.250%), 4.000%, 04/25/2025	197,504	197,366
Hyland Software, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.500%), 4.250%, 07/01/2024	163,737	163,873

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
IRB Holding Corp., 2020 4th Amendment Incremental Term Loan (3 month LIBOR + 3.250%), 4.250%, 12/15/2027	\$ 99,500	\$ 99,438
LBM Acquisition LLC, Delayed Draw Term Loan, TBD 12/17/2027 (H)	19,145	18,998
LBM Acquisition LLC, Term Loan B (3 month LIBOR + 3.750%), 4.500%, 12/17/2027	85,938	85,276
LBM Acquisition, LLC, 2021 Incremental Term Loan B2, TBD 12/17/2027 (H)	66,667	66,083
LBM Acquisition, LLC, Incremental Term Loan B2, TBD 12/17/2027 (H)	33,333	33,042
MajorDrive Holdings IV LLC, Term Loan B (3 month LIBOR + 4.000%), 4.500%, 05/12/2028	100,000	100,031
MPH Acquisition Holdings LLC, 2016 Term Loan B (3 month LIBOR + 2.750%), 3.750%, 06/07/2023	172,768	172,258
MTN Infrastructure TopCo, Inc., 1st Lien Term Loan B (1 month LIBOR + 3.000%), 4.000%, 11/15/2024	222,636	222,389
Navistar, Inc., 2017 1st Lien Term Loan B (2 month LIBOR + 3.500%), 3.600%, 11/06/2024	123,406	123,406
NEP Group, Inc., 2018 1st Lien Term Loan (3 month LIBOR + 3.250%), 3.397%, 10/20/2025	246,835	240,047
NFP Corp., 2020 Term Loan (1 month LIBOR + 3.250%), 3.354%, 02/15/2027	123,438	121,569
Nouryon USA LLC, 2018 USD Term Loan B (Prime rate + 1.750% and 1 month LIBOR + 2.750%), 3.133%, 10/01/2025	119,499	118,528
Organon & Company, USD Term Loan, TBD 06/02/2028 (H)	125,000	125,079
Packaging Coordinators Midco, Inc., 2020 1st Lien Term Loan (3 month LIBOR + 3.500%), 4.250%, 11/30/2027	99,750	99,800
PAI Holdco, Inc., 2020 Term Loan B (3 month LIBOR + 3.750%), 4.500%, 10/28/2027	99,750	99,906
Pathway Vet Alliance LLC, 2021 Term Loan (1 month LIBOR + 3.750%), 3.854%, 03/31/2027	123,489	123,111
Penn National Gaming, Inc., 2018 1st Lien Term Loan B (1 month LIBOR + 2.250%), 3.000%, 10/15/2025	110,484	110,084
Peraton Corp., Term Loan B (1 month LIBOR + 3.750%), 4.500%, 02/01/2028	109,725	109,953
PowerTeam Services LLC, Incremental Term Loan, TBD 03/06/2025 (H)	100,000	99,500
PPD, Inc., Initial Term Loan (1 month LIBOR + 2.250%), 2.750%, 01/13/2028	174,563	174,262
ProAmpac PG Borrower LLC, 2020 Term Loan (3 month LIBOR + 4.000%), 5.000%, 11/03/2025	110,000	109,808
Proofpoint, Inc., 1st Lien Term Loan, TBD 06/09/2028 (H)	100,000	99,388

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
Quikrete Holdings, Inc., 2016 1st Lien Term Loan (1 month LIBOR + 2.500%), 2.604%, 02/01/2027	\$ 197,000	\$ 195,091
RealPage, Inc., 1st Lien Term Loan (1 month LIBOR + 3.250%), 3.750%, 04/24/2028	100,000	99,650
Scientific Games International, Inc., 2018 Term Loan B5 (1 month LIBOR + 2.750%), 2.854%, 08/14/2024	198,462	196,973
Sedgwick Claims Management Services, Inc., 2018 Term Loan B (1 month LIBOR + 3.250%), 3.354%, 12/31/2025	196,970	194,754
Sedgwick Claims Management Services, Inc., 2019 Term Loan B (1 month LIBOR + 3.750%), 3.845%, 09/03/2026	99,492	99,272
Signal Parent, Inc., Term Loan B (1 month LIBOR + 3.500%), 4.250%, 03/25/2028	200,000	196,250
SkyMiles IP, Ltd., 2020 SkyMiles Term Loan B (3 month LIBOR + 3.750%), 4.750%, 10/20/2027	100,000	105,569
Solera LLC, USD Term Loan B (6 month LIBOR + 4.000%), 4.500%, 06/02/2028	120,000	120,286
SRS Distribution, Inc., 2021 Term Loan B, TBD 06/02/2028 (H)	155,000	154,828
SS&C Technologies, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%), 1.854%, 04/16/2025	115,571	114,126
SS&C Technologies, Inc., 2018 Term Loan B4 (1 month LIBOR + 1.750%), 1.854%, 04/16/2025	87,806	86,709
Surgery Center Holdings, Inc., 2021 Term Loan (1 month LIBOR + 3.750%), 4.500%, 08/31/2026	198,472	199,184
Tecta America Corp., 2021 Term Loan (3 month LIBOR + 4.250%), 5.000%, 04/01/2028	130,000	130,163
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 3.250%), 3.345%, 02/06/2026	346,571	344,783
The Hertz Corp., 2021 Term Loan B, TBD 06/14/2028 (H)	84,142	84,037
The Hertz Corp., 2021 Term Loan C, TBD 06/14/2028 (H)	15,858	15,838
The Michaels Companies, Inc., 2021 Term Loan B (3 month LIBOR + 4.250%), 5.000%, 04/15/2028	130,000	130,473
TK Elevator U.S. Newco, Inc., USD Term Loan B (6 month LIBOR + 4.250%), 4.478%, 07/30/2027	278,602	278,719
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%), 2.354%, 05/30/2025	197,000	194,080
TricorBraun Holdings, Inc., 2021 Delayed Draw Term Loan (3 month LIBOR + 3.250%), 3.750%, 03/03/2028	612	607
TricorBraun Holdings, Inc., 2021 Term Loan (3 month LIBOR + 3.250%), 3.750%, 03/03/2028	81,637	80,995

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
United States (continued)		
Tronox Finance LLC, 2021 Term Loan B (1 and 3 month LIBOR + 2.500%), 2.630%, 03/13/2028	\$ 153,761	\$ 152,664
UFC Holdings LLC, 2021 Term Loan B (6 month LIBOR + 3.000%), 3.750%, 04/29/2026	184,055	183,738
UKG, Inc., 2021 Incremental Term Loan (3 month LIBOR + 3.250%), 4.000%, 05/04/2026	109,176	109,240
UKG, Inc., Term Loan B (1 month LIBOR + 3.750%), 3.854%, 05/04/2026	148,116	148,130
United Airlines, Inc., 2021 Term Loan B (3 month LIBOR + 3.750%), 4.500%, 04/21/2028	99,750	100,969
UPC Financing Partnership, 2021 USD Term Loan AX (1 month LIBOR + 3.000%), 3.073%, 01/31/2029	180,000	178,740
US Foods, Inc., 2016 Term Loan B (1 month LIBOR + 1.750%), 1.854%, 06/27/2023	178,512	176,652
USI, Inc., 2017 Repriced Term Loan (3 month LIBOR + 3.000%), 3.147%, 05/16/2024	123,397	122,183
Virgin Media Bristol LLC, 2020 USD Term Loan Q (3 month LIBOR + 3.250%), 3.353%, 01/31/2029	145,000	144,778
Weber-Stephen Products LLC, Term Loan B (1 month LIBOR + 3.250%), 4.000%, 10/30/2027	99,500	99,624
White Cap Buyer LLC, Term Loan B (3 month LIBOR + 4.000%), 4.500%, 10/19/2027	134,325	134,493
WW International, Inc., 2021 Term Loan B (1 month LIBOR + 3.500%), 4.000%, 04/13/2028	100,000	100,250
Zelis Payments Buyer, Inc., 2021 Term Loan (1 month LIBOR + 3.500%), 3.592%, 09/30/2026	149,250	148,728
		16,378,640
TOTAL TERM LOANS (Cost \$17,689,920)	\$	18,141,959
COLLATERALIZED MORTGAGE OBLIGATIONS - 8.7%		
Commercial and residential - 5.0%		
ACRE Commercial Mortgage, Ltd., Series 2021-FL4, Class B (1 month LIBOR + 1.400%), 1.483%, 12/18/2037 (C)(I)	100,000	99,489
Angel Oak Mortgage Trust, Series 2020-3, Class M1, 3.809%, 04/25/2065 (C)(J)	180,000	185,688
ANTLR Mortgage Trust, Series 2021-RTL1, Class A1, 2.115%, 11/25/2024 (C)(J)	125,000	124,749
BANK, Series 2021-BN32, Class XA IO, 0.894%, 04/15/2054	999,585	60,079
BBCMS Mortgage Trust, Series 2017-DELC, Class A (1 month LIBOR + 0.850%), 0.923%, 08/15/2036 (C)(I)	100,000	100,093
Benchmark Mortgage Trust, Series 2019-B10, Class XA IO, 1.390%, 03/15/2062	566,722	42,988
Series 2020-B22, Class XA IO, 1.636%, 01/15/2054	204,808	24,481

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
BRAVO Residential Funding Trust, Series 2021-A, Class A1, 1.991%, 04/25/2031 (C)	\$ 152,287	\$ 152,317
BX Commercial Mortgage Trust Series 2018-IND, Class A (1 month LIBOR + 0.750%), 0.823%, 11/15/2035 (C)(I)	58,626	58,645
Series 2018-IND, Class C (1 month LIBOR + 1.100%), 1.173%, 11/15/2035 (C)(I)	137,500	137,544
Series 2019-XL, Class A (1 month LIBOR + 0.920%), 0.993%, 10/15/2036 (C)(I)	248,948	249,273
Series 2019-XL, Class C (1 month LIBOR + 1.250%), 1.323%, 10/15/2036 (C)(I)	248,948	249,191
Series 2020-BXLP, Class G (1 month LIBOR + 2.500%), 2.573%, 12/15/2036 (C)(I)	97,049	96,991
Series 2020-VKNG, Class F (1 month LIBOR + 2.750%), 2.823%, 10/15/2037 (C)(I)	270,000	270,547
BX Trust Series 2018-GW, Class E (1 month LIBOR + 1.970%), 2.043%, 05/15/2035 (C)(I)	80,000	79,998
Series 2021-MFM1, Class D (1 month LIBOR + 1.500%), 1.573%, 01/15/2034 (C)(I)	55,000	55,000
Series 2021-MFM1, Class E (1 month LIBOR + 2.250%), 2.323%, 01/15/2034 (C)(I)	40,000	39,988
CFCRE Commercial Mortgage Trust, Series 2011-C2, Class C, 5.971%, 12/15/2047 (C)(J)	275,000	276,819
CIM Trust, Series 2021-R4, Class A1, 2.000%, 05/01/2061 (C)(J)	280,000	279,983
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2013-CR13, Class B, 5.046%, 11/10/2046 (J)	169,000	182,511
Series 2014-CR16, Class AM, 4.278%, 04/10/2047	200,000	213,554
Commercial Mortgage Trust (Deutsche Bank AG) Series 2020-SBX, Class C, 2.056%, 01/10/2038 (C)(J)	100,000	100,317
Series 2020-SBX, Class D, 2.398%, 01/10/2038 (C)(J)	100,000	100,109
Series 2021-LBA, Class C (1 month LIBOR + 1.200%), 1.273%, 03/15/2038 (C)(I)	280,000	280,000
Credit Suisse Mortgage Trust Series 2020-NET, Class D, 3.828%, 08/15/2037 (C)(J)	100,000	104,994
Series 2020-RPL5, Class A1, 3.023%, 08/25/2060 (C)(J)	246,914	250,676
Series 2020-RPL6, Class A2, 3.264%, 03/25/2059 (C)(J)	215,000	213,132
Deephaven Residential Mortgage Trust, Series 2021-1, Class A3, 1.128%, 05/25/2065 (C)(J)	86,585	86,532

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
FREMF Mortgage Trust Series 2015-K45, Class C, 3.589%, 04/25/2048 (C)(J)	\$ 115,000	\$ 120,847
Series 2015-K49, Class B, 3.721%, 10/25/2048 (C)(J)	250,000	271,236
Series 2016-K55, Class C, 4.163%, 04/25/2049 (C)(J)	50,000	53,897
Series 2017-K63, Class C, 3.872%, 02/25/2050 (C)(J)	189,000	201,052
Series 2018-K75, Class C, 3.975%, 04/25/2051 (C)(J)	120,000	129,818
Series 2018-K78, Class C, 4.128%, 06/25/2051 (C)(J)	182,000	200,282
Series 2019-K99, Class B, 3.646%, 10/25/2052 (C)(J)	180,000	197,225
GS Mortgage Securities Trust Series 2017-GS6, Class C, 4.322%, 05/10/2050 (J)	25,000	27,263
Series 2019-BOCA, Class A (1 month LIBOR + 1.200%), 1.273%, 06/15/2038 (C)(I)	280,000	280,520
Series 2021-ROSS, Class A (1 month LIBOR + 1.150%), 1.223%, 05/15/2026 (C)(I)	100,000	100,034
JPMorgan Mortgage Trust, Series 2018-3, Class A1, 3.500%, 09/25/2048 (C)(J)	44,433	45,198
KKR Industrial Portfolio Trust Series 2020-AIP, Class A (1 month LIBOR + 1.037%), 1.110%, 03/15/2037 (C)(I)	241,051	241,289
Series 2021-KDIP, Class D (1 month LIBOR + 1.250%), 1.323%, 12/15/2037 (C)(I)	130,000	129,961
Legacy Mortgage Asset Trust, Series 2021-GS2, Class A1, 1.750%, 04/25/2061 (C)	117,966	118,086
LoanCore Issuer, Ltd., Series 2021-CRE4, Class B (1 month LIBOR + 1.250%), 1.374%, 07/15/2035 (C)(I)	100,000	99,844
Merit, Series 2020-HILL, Class B (1 month LIBOR + 1.400%), 1.473%, 08/15/2037 (C)(I)	105,000	105,428
Metlife Securitization Trust, Series 2018-1A, Class A, 3.750%, 03/25/2057 (C)(J)	133,334	138,954
MHC Commercial Mortgage Trust, Series 2021-MHC, Class C (1 month LIBOR + 1.351%), 1.424%, 04/15/2038 (C)(I)	205,000	205,193
Morgan Stanley Bank of America Merrill Lynch Trust, Series 2013-C8, Class C, 4.191%, 12/15/2048 (J)	283,000	288,359
Morgan Stanley Capital I Trust Series 2017-CLS, Class F (1 month LIBOR + 2.600%), 2.673%, 11/15/2034 (C)(I)	177,000	176,868
Series 2018-SUN, Class B (1 month LIBOR + 1.200%), 1.273%, 07/15/2035 (C)(I)	100,000	100,030

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
New Residential Mortgage Loan Trust		
Series 2015-1A, Class B3, 5.338%, 05/28/2052 (C)(J)	\$ 166,779	\$ 178,164
Series 2021-NQ1R, Class A1, 0.943%, 07/25/2055 (C)(J)	150,092	150,148
Series 2021-NQ1R, Class A3, 1.198%, 07/25/2055 (C)(J)	69,805	69,844
New York Mortgage Trust,		
Series 2021-BPL1, Class A1, 2.239%, 05/25/2026 (C)	230,000	229,736
Pretium Mortgage Credit Partners LLC,		
Series 2021-RN1, Class A2, 3.598%, 02/25/2061 (C)	185,000	184,718
PRPM LLC		
Series 2019-GS1, Class A1, 3.500%, 10/25/2024 (C)(J)	221,062	222,238
Series 2020-2, Class A1, 3.671%, 08/25/2025 (C)	176,050	177,242
Series 2020-3, Class A1, 2.857%, 09/25/2025 (C)	135,403	136,122
Series 2021-3, Class A2, 3.720%, 04/25/2026 (C)	110,000	109,796
Series 2021-4, Class A1, 1.867%, 04/25/2026 (C)	156,139	155,909
Series 2021-5, Class A1, 1.793%, 06/25/2026 (C)	140,000	140,024
SFO Commercial Mortgage Trust,		
Series 2021-555, Class B (1 month LIBOR + 1.500%), 1.573%, 05/15/2038 (C)(I)	70,000	70,109
Starwood Mortgage Residential Trust,		
Series 2021-2, Class A3, 1.431%, 05/25/2065 (C)(J)	190,392	190,317
Verus Securitization Trust		
Series 2020-1, Class A3, 2.724%, 01/25/2060 (C)	128,223	129,699
Series 2020-INV1, Class A3, 3.889%, 03/25/2060 (C)(J)	100,000	104,459
VMC Finance LLC, Series 2021-FL4, Class A (1 month LIBOR + 1.100%), 1.183%, 06/16/2036 (C)(I)	195,000	195,062
VOLT XCIV LLC, Series 2021-NPL3, Class A1, 2.240%, 02/27/2051 (C)	81,931	82,011
VOLT XCVI LLC, Series 2021-NPL5, Class A1, 2.116%, 03/27/2051 (C)	90,642	90,690
VOLT XCVIII LLC, Series 2021-NPL7, Class A1, 2.116%, 04/25/2051 (C)	65,053	65,078
Wells Fargo Mortgage Backed Securities Trust, Series 2019-3, Class A1, 3.500%, 07/25/2049 (C)(J)	48,395	48,914
WF-RBS Commercial Mortgage Trust		
Series 2011-C4, Class C, 5.266%, 06/15/2044 (C)(J)	255,000	254,332
Series 2011-C5, Class C, 5.901%, 11/15/2044 (C)(J)	150,000	150,449
		<u>10,482,133</u>

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency - 3.7%		
Federal Home Loan Mortgage Corp.		
Series 2013-DN1, Class M2 (1 month LIBOR + 7.150%), 7.242%, 07/25/2023 (I)	\$ 113,584	\$ 119,663
Series 2014-DN2, Class M3 (1 month LIBOR + 3.600%), 3.692%, 04/25/2024 (I)	164,720	167,201
Series 2016-DNA2, Class M3 (1 month LIBOR + 4.650%), 4.742%, 10/25/2028 (I)	170,708	178,303
Series 2016-DNA4, Class M3 (1 month LIBOR + 3.800%), 3.892%, 03/25/2029 (I)	234,161	242,484
Series 2016-HQA4, Class M3 (1 month LIBOR + 3.900%), 3.992%, 04/25/2029 (I)	242,907	253,040
Series 2017-DNA2, Class M1 (1 month LIBOR + 1.200%), 1.292%, 10/25/2029 (I)	111,683	111,770
Series 2017-HQA2, Class M2 (1 month LIBOR + 2.650%), 2.742%, 12/25/2029 (I)	296,090	301,287
Series 2018-DNA1, Class M2 (1 month LIBOR + 1.800%), 1.892%, 07/25/2030 (I)	255,279	256,870
Series 2018-HQA1, Class M2 (1 month LIBOR + 2.300%), 2.392%, 09/25/2030 (I)	62,117	63,011
Series 2020-DNA2, Class M2 (1 month LIBOR + 1.850%), 1.942%, 02/25/2050 (C)(I)	100,000	100,814
Series 2020-DNA5, Class M2 (SOFR + 2.800%), 2.810%, 10/25/2050 (C)(I)	105,000	106,571
Series 2020-DNA6, Class B1 (SOFR + 3.000%), 3.010%, 12/25/2050 (C)(I)	35,000	35,263
Series 2020-DNA6, Class M2 (SOFR + 2.000%), 2.010%, 12/25/2050 (C)(I)	85,000	85,904
Series 2020-HQA2, Class M2 (1 month LIBOR + 3.100%), 3.192%, 03/25/2050 (C)(I)	290,000	294,531
Series 2020-HQA3, Class B1 (1 month LIBOR + 5.750%), 5.842%, 07/25/2050 (C)(I)	195,000	209,188
Series 2020-HQA4, Class M2 (1 month LIBOR + 3.150%), 3.242%, 09/25/2050 (C)(I)	206,977	209,323
Series 2021-DNA1, Class M2 (SOFR + 1.800%), 1.810%, 01/25/2051 (C)(I)	120,000	120,625
Series 2021-DNA2, Class M2 (SOFR + 2.300%), 2.310%, 08/25/2033 (C)(I)	155,000	159,026
Series 2021-HQA2, Class M2 (SOFR + 2.050%), 2.067%, 12/25/2033 (C)(I)	270,000	270,793
Series 324, Class C18 IO, 4.000%, 12/15/2033	353,858	49,514
Series 4446, Class BI IO, 6.500%, 04/15/2039	241,250	50,012
Series 4978, Class MI IO, 4.000%, 05/25/2040	271,311	35,563

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 4993, Class AI IO, 4.000%, 07/25/2040	\$ 371,501	\$ 54,977
Series K066, Class X1 IO, 0.750%, 06/25/2027	1,249,334	49,645
Series K100, Class X3 IO, 1.870%, 11/25/2047	275,000	35,844
Series K103, Class X1 IO, 0.638%, 11/25/2029	1,023,914	49,991
Series K105, Class X1 IO, 1.523%, 03/25/2053	639,457	73,217
Series K106, Class X1 IO, 1.355%, 01/25/2030	618,905	63,391
Series K106, Class X3 IO, 1.920%, 03/25/2048	490,000	68,918
Series K107, Class X1 IO, 1.591%, 01/25/2030	549,455	65,988
Series K108, Class X1 IO, 1.690%, 03/25/2030	389,955	50,695
Series K110, Class X1 IO, 1.698%, 04/25/2030	99,859	12,755
Series K111, Class X1 IO, 1.572%, 05/25/2030	99,816	12,144
Series K115, Class X3 IO, 2.958%, 09/25/2048	147,298	32,681
Series K116, Class X3 IO, 3.021%, 09/25/2047	223,880	51,646
Series K121, Class X1 IO, 1.028%, 11/25/2053	114,893	9,371
Series K122, Class X1 IO, 0.883%, 11/25/2030	99,926	7,146
Series K123, Class X1 IO, 0.775%, 02/25/2054	409,788	26,013
Series K124, Class X1 IO, 0.722%, 12/25/2030	252,891	15,273
Series K125, Class X3 IO, 2.654%, 02/25/2049	100,000	21,171
Series K127, Class X3 IO, 2.654%, 03/25/2049	118,572	25,163
Series K129, Class X3 IO, 3.172%, 05/25/2031	165,000	43,013
Series K737, Class X1 IO, 0.637%, 10/25/2026	495,668	14,710
Series K738, Class X1 IO, 1.515%, 01/25/2027	650,217	47,814
Series K740, Class X3 IO, 2.481%, 11/25/2047	135,000	18,527
Series K742, Class X3 IO, 2.685%, 04/25/2028	100,000	15,490
Federal National Mortgage Association		
Series 2014-68, Class ID IO, 3.500%, 03/25/2034	516,502	33,742
Series 2014-C02, Class 1M2 (1 month LIBOR + 2.600%), 2.692%, 05/25/2024 (I)	64,581	64,956
Series 2014-C04, Class 1M2 (1 month LIBOR + 4.900%), 4.992%, 11/25/2024 (I)	107,770	111,425
Series 2017-C02, Class 2M2 (1 month LIBOR + 3.650%), 3.742%, 09/25/2029 (I)	221,055	229,081

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-C03, Class 1M2 (1 month LIBOR + 3.000%), 3.092%, 10/25/2029 (I)	\$ 240,667	\$ 248,147
Series 2017-C04, Class 2M2 (1 month LIBOR + 2.850%), 2.942%, 11/25/2029 (I)	254,531	260,819
Series 2017-C05, Class 1M2 (1 month LIBOR + 2.200%), 2.292%, 01/25/2030 (I)	182,263	185,169
Series 2017-C06, Class 2M2 (1 month LIBOR + 2.800%), 2.892%, 02/25/2030 (I)	213,725	218,520
Series 2017-C07, Class 1B1 (1 month LIBOR + 4.000%), 4.092%, 05/25/2030 (I)	293,000	305,244
Series 2018-C02, Class 2B1 (1 month LIBOR + 4.000%), 4.092%, 08/25/2030 (I)	60,000	61,215
Series 2018-C04, Class 2M2 (1 month LIBOR + 2.550%), 2.642%, 12/25/2030 (I)	195,027	198,506
Series 2018-C05, Class 1B1 (1 month LIBOR + 4.250%), 4.342%, 01/25/2031 (I)	230,000	240,269
Series 2018-C05, Class 1M2 (1 month LIBOR + 2.350%), 2.442%, 01/25/2031 (I)	104,637	105,891
Series 2018-R07, Class 1B1 (1 month LIBOR + 4.350%), 4.442%, 04/25/2031 (C)(I)	220,000	228,327
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 2.242%, 11/25/2039 (C)(I)	186,322	185,595
Series 2019-R03, Class 1B1 (1 month LIBOR + 4.100%), 4.192%, 09/25/2031 (C)(I)	75,000	77,199
Series 2019-R05, Class 1B1 (1 month LIBOR + 4.100%), 4.192%, 07/25/2039 (C)(I)	120,000	122,162
Series 2020-26, Class AI IO, 3.000%, 04/25/2033	541,987	38,646
Series 2020-26, Class IA IO, 3.500%, 11/25/2039	432,080	46,525
Series 2020-27, Class NI IO, 4.500%, 05/25/2050	305,852	53,199
Series 2020-35, Class IC IO, 5.000%, 06/25/2050	304,493	49,308
Series 2020-R02, Class 2B1 (1 month LIBOR + 3.000%), 3.092%, 01/25/2040 (C)(I)	152,000	150,954
Series 407, Class 40 IO, 6.000%, 01/25/2038	269,943	65,417
Series 410, Class C8 IO, 4.000%, 04/25/2032	423,586	45,382
Government National		
Mortgage Association		
Series 2014-2, Class IB IO, 4.000%, 01/16/2040	378,743	41,104
Series 2015-62, Class CI IO, 4.500%, 05/20/2045	205,141	36,810
Series 2017-130, Class IO, 4.500%, 02/20/2040	217,458	36,755

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued)		
Series 2018-168, Class AI IO, 5.000%, 12/16/2048	\$ 316,128	\$ 58,842
Series 2018-6, Class LI IO, 5.000%, 07/16/2045	327,494	60,009
Series 2018-72, Class ID IO, 4.500%, 08/20/2045	156,542	30,178
Series 2020-74, Class IC IO, 3.000%, 05/20/2035	665,743	44,723
		7,920,458
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$17,661,776)	\$	18,402,591
ASSET BACKED SECURITIES - 4.2%		
Ajax Mortgage Loan Trust, Series 2021-B, Class A, 2.239%, 06/25/2066 (C)	153,452	153,075
Arbor Realty Collateralized Loan Obligation, Ltd., Series 2021-FL2, Class AS (1 month LIBOR + 1.400%), 1.597%, 05/15/2036 (C)(I)	100,000	100,094
Ares XXVII CLO, Ltd., Series 2013-2A, Class CR (3 month LIBOR + 2.400%), 2.584%, 07/28/2029 (C)(I)	250,000	250,173
Avant Loans Funding Trust, Series 2021-REV1, Class A, 1.210%, 07/15/2030 (C)	150,000	149,738
BlueMountain CLO, Ltd. Series 2012-2A, Class AR2 (3 month LIBOR + 1.050%), 1.205%, 11/20/2028 (C)(I)	201,000	201,017
Series 2018-2A, Class D (3 month LIBOR + 3.150%), 3.306%, 08/15/2031 (C)(I)	250,000	247,154
Bojangles Issuer LLC, Series 2020-1A, Class A2, 3.832%, 10/20/2050 (C)	125,000	130,335
CF Hippolyta LLC, Series 2020-1, Class B1, 2.280%, 07/15/2060 (C)	243,367	247,374
CIFC Funding, Ltd. Series 2014-2RA, Class A1 (3 month LIBOR + 1.050%), 1.226%, 04/24/2030 (C)(I)	300,000	300,110
Series 2015-3A, Class AR (3 month LIBOR + 0.870%), 1.060%, 04/19/2029 (C)(I)	250,000	250,019
CoreVest American Finance Trust Series 2020-4, Class B, 1.707%, 12/15/2052 (C)	100,000	98,816
Series 2021-1, Class A, 1.569%, 04/15/2053 (C)	91,269	91,208
DataBank Issuer, Series 2021-1A, Class A2, 2.060%, 02/27/2051 (C)	170,000	172,209
DB Master Finance LLC, Series 2019-1A, Class A2I, 3.787%, 05/20/2049 (C)	73,688	74,643
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23, 4.118%, 07/25/2047 (C)	183,825	198,355

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Domino's Pizza Master Issuer LLC (continued) Series 2021-1A, Class A2I, 2.662%, 04/25/2051 (C)	\$ 85,000	\$ 87,949
Dryden Senior Loan Fund, Series 2012-25A, Class DRR (3 month LIBOR + 3.000%), 3.184%, 10/15/2027 (C)(I)	250,000	249,408
Ford Credit Floorplan Master Owner Trust, Series 2018-4, Class A, 4.060%, 11/15/2030	160,000	183,945
Gilbert Park CLO, Ltd., Series 2017-1A, Class B (3 month LIBOR + 1.600%), 1.784%, 10/15/2030 (C)(I)	280,000	280,013
Harriman Park CLO, Ltd., Series 2020-1A, Class DR (3 month LIBOR + 3.100%), 3.494%, 04/20/2034 (C)(I)	250,000	249,997
Hertz Vehicle Financing LLC, Series 2021-1A, Class B, 1.560%, 12/26/2025 (C)	110,000	109,948
HIN Timeshare Trust, Series 2020-A, Class A, 1.390%, 10/09/2039 (C)	39,614	39,986
KKR CLO, Ltd., Series 2020, Class B (3 month LIBOR + 1.550%), 1.734%, 10/16/2030 (C)(I)	282,000	279,916
LCM XXV, Ltd., Series 25A, Class B2 (3 month LIBOR + 1.650%), 1.838%, 07/20/2030 (C)(I)	250,000	249,007
Madison Park Funding XIX, Ltd., Series 2015-19A, Class A2R2 (3 month LIBOR + 1.500%), 1.684%, 01/22/2028 (C)(I)	250,000	248,841
Magnetite XVIII, Ltd., Series 2016-18A, Class BR (3 month LIBOR + 1.500%), 1.656%, 11/15/2028 (C)(I)	250,000	248,890
MAPS Trust, Series 2021-1A, Class A, 2.521%, 06/15/2046 (C)	250,000	250,609
MF1, Ltd., Series 2020-FL4, Class A (SOFR + 1.815%), 1.824%, 11/15/2035 (C)(I)	100,000	100,812
MFA LLC, Series 2021-NPL1, Class A1, 2.363%, 03/25/2060 (C)	140,352	140,370
Mill City Mortgage Loan Trust, Series 2017-2, Class M2, 3.250%, 07/25/2059 (C)(J)	185,000	194,693
Neighborly Issuer LLC, Series 2021-1A, Class A2, 3.584%, 04/30/2051 (C)	85,000	87,420
Neuberger Berman CLO XVII, Ltd., Series 2014-17A, Class CR2 (3 month LIBOR + 2.000%), 2.184%, 04/22/2029 (C)(I)	250,000	250,040
Octagon Investment Partners 41, Ltd., Series 2019-2A, Class D (3 month LIBOR + 3.650%), 3.834%, 04/15/2031 (C)(I)	250,000	250,037
Pagaya AI Debt Selection Trust, Series 2021-HG1, Class A, 1.220%, 01/16/2029 (C)	100,000	100,009
Palmer Square Loan Funding, Ltd. Series 2020-1A, Class A1 (3 month LIBOR + 0.800%), 0.955%, 02/20/2028 (C)(I)	171,112	171,112

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Palmer Square Loan		
Funding, Ltd. (continued)		
Series 2021-3A, Class A2 (3 month LIBOR + 1.400%), 1.545%, 07/20/2029 (C)(I)	\$ 280,000	\$ 280,000
Progress Residential Trust		
Series 2021-SFR2, Class D, 2.197%, 04/19/2038 (C)	100,000	99,823
Series 2021-SFR3, Class D, 2.288%, 05/17/2026 (C)	105,000	105,423
Series 2021-SFR5, Class E1, 2.209%, 07/17/2038 (C)	100,000	99,917
Series 2021-SFR6, Class E2, 2.525%, 07/17/2038 (C)	100,000	99,985
Race Point CLO, Ltd., Series 2013-8A, Class DR2 (3 month LIBOR + 3.500%), 3.655%, 02/20/2030 (C)(I)	250,000	250,073
Santander Drive Auto Receivables Trust, Series 2018-5, Class C, 3.810%, 12/16/2024	32,804	32,899
Sonic Capital LLC, Series 2020-1A, Class A2I, 3.845%, 01/20/2050 (C)	197,833	208,890
Stewart Park CLO, Ltd., Series 2015-1A, Class DR (3 month LIBOR + 2.600%), 2.784%, 01/15/2030 (C)(I)	250,000	248,510
Summit Issuer LLC, Series 2020-1A, Class A2, 2.290%, 12/20/2050 (C)	55,000	54,839
Treman Park CLO, Ltd., Series 2015-1A, Class C3RR (3 month LIBOR + 2.000%), 2.188%, 10/20/2028 (C)(I)	250,000	250,063
Verus Securitization Trust, Series 2020-NPL1, Class A1, 3.598%, 08/25/2050 (C)	94,704	95,052
VOLT XCI LLC, Series 2020-NPL7, Class A1, 3.105%, 11/25/2050 (C)	75,470	75,767
Voya CLO, Ltd., Series 2013-3, Class 3A (3 month LIBOR + 2.250%), 2.440%, 10/18/2031 (C)(I)	250,000	247,870
Westlake Automobile Receivables Trust, Series 2021-2A, Class D, 1.230%, 12/15/2026 (C)	265,000	264,977
TOTAL ASSET BACKED SECURITIES (Cost \$8,735,394)		\$ 8,851,410
PREFERRED SECURITIES - 0.0%		
United States - 0.0%		
Becton, Dickinson and Company, 6.000%	683	36,547
Fluor Corp., 6.500% (C)	5	5,305
		41,852
TOTAL PREFERRED SECURITIES (Cost \$40,158)		\$ 41,852
EXCHANGE-TRADED FUNDS - 5.1%		
iShares JP Morgan USD Emerging Markets Bond ETF	83,900	9,435,394
SPDR Blackstone Senior Loan ETF	15,000	694,350
SPDR Bloomberg Barclays Convertible Securities ETF	7,600	659,148
TOTAL EXCHANGE-TRADED FUNDS (Cost \$10,734,246)		\$ 10,788,892

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 4.0%		
Short-term funds - 4.0%		
State Street Institutional		
U.S. Government Money Market Fund, Premier Class, 0.0250% (K)	8,342,089	\$ 8,342,089
TOTAL SHORT-TERM INVESTMENTS (Cost \$8,342,089)		\$ 8,342,089
Total Investments (Opportunistic Fixed Income Trust) (Cost \$206,019,301) - 98.6%		\$ 207,518,828
Other assets and liabilities, net - 1.4%		2,908,994
TOTAL NET ASSETS - 100.0%		\$ 210,427,822
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	
NOK	Norwegian Krone	
NZD	New Zealand Dollar	
PEN	Peruvian Nuevo Sol	
PLN	Polish Zloty	
RON	Romanian New Leu	
RUB	Russian Ruble	
THB	Thai Bath	
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	
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	
(A)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.	
(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 \$51,745,253 or 24.6% of the fund's net assets as of 6-30-21.	
(D)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.	
(E)	Security purchased or sold on a when-issued or delayed delivery basis.	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

- (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).

Opportunistic Fixed Income Trust (continued)

- (I) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (J) 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.
- (K) The rate shown is the annualized seven-day yield as of 6-30-21.
- * 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	52	Long	Sep 2021	\$5,495,449	\$5,510,425	\$14,976
10-Year U.S. Treasury Note Futures	123	Long	Sep 2021	16,233,283	16,297,500	64,217
5-Year U.S. Treasury Note Futures	66	Long	Sep 2021	8,155,125	8,146,359	(8,766)
Euro SCHATZ Futures	1	Long	Sep 2021	132,995	132,970	(25)
Ultra U.S. Treasury Bond Futures	8	Long	Sep 2021	1,159,924	1,177,625	17,701
Ultra U.S. Treasury Bond Futures	24	Long	Sep 2021	4,432,125	4,624,500	192,375
10-Year Canada Government Bond Futures	8	Short	Sep 2021	(928,157)	(939,142)	(10,985)
10-Year Mini Japan Government Bond Futures	16	Short	Sep 2021	(2,181,730)	(2,185,661)	(3,931)
2-Year U.S. Treasury Note Futures	40	Short	Sep 2021	(8,825,762)	(8,812,812)	12,950
Euro-Buxl Futures	12	Short	Sep 2021	(2,859,115)	(2,891,902)	(32,787)
German Euro BOBL Futures	8	Short	Sep 2021	(1,271,744)	(1,272,547)	(803)
German Euro BUND Futures	69	Short	Sep 2021	(14,052,718)	(14,122,391)	(69,673)
U.K. Long Gilt Bond Futures	4	Short	Sep 2021	(704,343)	(708,803)	(4,460)
U.S. Treasury Long Bond Futures	76	Short	Sep 2021	(11,978,863)	(12,217,000)	(238,137)
						\$(67,348)

[^] 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 665,000	USD 504,428	GSI	7/30/2021	—	\$(5,641)
BRL 21,224,000	USD 4,303,762	JPM	7/2/2021	—	(36,602)
BRL 21,224,000	USD 4,242,933	MSI	7/2/2021	\$24,227	—
BRL 6,560,000	USD 1,327,156	GSI	7/30/2021	—	(12,140)
CAD 299,000	USD 242,736	JPM	7/30/2021	—	(1,533)
CHF 918,000	USD 999,361	BOA	7/30/2021	—	(6,459)
CLP 1,128,458,000	USD 1,546,680	SSB	7/30/2021	—	(11,135)
COP 7,021,523,000	USD 1,855,175	CITI	7/30/2021	13,261	—
CZK 26,351,000	USD 1,238,776	BOA	7/30/2021	—	(13,709)
EUR 1,164,000	USD 1,390,092	GSI	7/30/2021	—	(9,078)
EUR 4,305,000	USD 5,143,750	JPM	7/30/2021	—	(36,136)
GBP 4,161,000	USD 5,809,239	JPM	7/30/2021	—	(52,839)
IDR 46,731,000,000	USD 3,216,616	JPM	7/30/2021	—	(17,736)
INR 240,402,000	USD 3,230,558	JPM	7/30/2021	—	(8,009)
JPY 920,011,000	USD 8,302,562	MSI	7/30/2021	—	(19,361)
MXN 61,730,000	USD 3,069,800	BARC	7/30/2021	16,319	—
NOK 12,580,000	USD 1,477,833	MSI	7/30/2021	—	(16,558)
NZD 1,422,000	USD 1,004,700	MSI	7/30/2021	—	(10,784)
PLN 3,778,000	USD 996,290	JPM	7/30/2021	—	(5,329)
PLN 4,305,000	USD 1,140,379	MSI	7/30/2021	—	(11,187)
RUB 256,880,000	USD 3,540,633	BARC	7/30/2021	—	(44,585)
SGD 2,755,000	USD 2,051,613	BOA	7/30/2021	—	(2,829)
TRY 12,126,000	USD 1,370,991	BARC	7/30/2021	1,441	—
USD 7,344,923	AUD 9,683,000	GSI	7/30/2021	82,134	—
USD 4,242,933	BRL 21,224,000	JPM	7/2/2021	—	(24,227)
USD 4,011,567	BRL 21,224,000	MSI	7/2/2021	—	(255,592)
USD 4,290,364	BRL 21,224,000	JPM	8/3/2021	37,676	—
USD 5,552,895	CAD 6,840,000	JPM	7/30/2021	35,067	—
USD 20,955,950	EUR 17,533,000	JPM	7/30/2021	154,141	—
USD 645,006	GBP 462,000	JPM	7/30/2021	5,867	—

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

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

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD	2,313,623	HUF	678,358,000	BOA	7/30/2021	\$25,361	—
USD	1,084,332	IDR	15,753,176,000	JPM	7/30/2021	5,979	—
USD	3,546,532	ILS	11,533,000	BARC	7/30/2021	8,175	—
USD	9,478,470	JPY	1,050,314,000	MSI	7/30/2021	22,104	—
USD	13,234,164	KRW	14,971,148,000	BOA	7/30/2021	—	\$(13,592)
USD	1,052,388	MXN	20,952,000	GSI	7/30/2021	4,917	—
USD	8,087,317	NOK	68,843,000	MSI	7/30/2021	90,614	—
USD	4,988,879	NZD	7,061,000	MSI	7/30/2021	53,548	—
USD	5,214,301	RUB	378,308,000	BARC	7/30/2021	65,661	—
USD	3,216,688	SEK	27,247,000	MSI	7/30/2021	32,095	—
USD	3,188,750	SGD	4,282,000	BOA	7/30/2021	4,396	—
USD	717,685	THB	22,920,000	JPM	7/30/2021	2,607	—
USD	2,895,328	ZAR	41,237,000	JPM	7/30/2021	17,562	—
						\$703,152	\$(615,061)

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 Consumers	Quarterly	Quarterly	Sep 2025	\$(4,053)	\$(61,570)	\$(65,623)
BOA	4,140,000	USD	Fixed 2.535%	USA CPI All Urban Consumers	At Maturity	At Maturity	Jun 2026	—	27,724	27,724
BOA	1,170,000	USD	Fixed 1.635%	Consumers	At Maturity	At Maturity	Feb 2050	—	309,662	309,662
CITI	10,560,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.390%	Quarterly	Quarterly	Jun 2025	—	(57,650)	(57,650)
CITI	41,170,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.340%	Quarterly	Quarterly	Sep 2025	(79,001)	(22,231)	(101,232)
CITI	27,880,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.340%	Quarterly	Quarterly	Sep 2025	(44,115)	(24,126)	(68,241)
CITI	1,830,000	ILS	ILS TELBOR Reuters	Fixed 1.493%	Annual	Quarterly	Sep 2031	—	13,345	13,345
CITI	3,460,000	ILS	ILS TELBOR Reuters	Fixed 1.442% USA CPI All Urban Consumers	Annual	Quarterly	Sep 2031	—	20,076	20,076
JPM	2,330,000	USD	Fixed 1.830%	Consumers	At Maturity	At Maturity	Feb 2050	(57,889)	532,114	474,225
								\$(185,058)	\$737,344	\$552,286
Centrally cleared	2,550,000	CAD	CAD CORRA Compounded OIS	Fixed 0.013%	Semi-Annual	Semi-Annual	Sep 2026	—	3,471	3,471
Centrally cleared	2,550,000	CAD	CAD CORRA Compounded OIS	Fixed 0.013%	Semi-Annual	Semi-Annual	Sep 2026	—	2,720	2,720
Centrally cleared	2,935,000	CAD	CAD CORRA Compounded OIS	Fixed 1.283%	Semi-Annual	Semi-Annual	Nov 2026	—	(2,428)	(2,428)
Centrally cleared	2,415,000	CAD	CAD CORRA Compounded OIS	Fixed 1.266%	Semi-Annual	Semi-Annual	Nov 2026	—	(3,268)	(3,268)
Centrally cleared	7,270,000	PLN	Fixed 0.880%	PLN WIBOR WIBO	Annual	Semi-Annual	Sep 2030	1,233	123,038	124,271
Centrally cleared	92,659,200	MXN	MXN TIIE Banxico	Fixed 7.130%	Monthly	Monthly	Jun 2031	32,015	18,372	50,387
Centrally cleared	84,380,000	MXN	MXN TIIE Banxico	Fixed 6.940%	Monthly	Monthly	Sep 2031	(1,514)	(44,203)	(45,717)
Centrally cleared	350,000	GBP	Fixed 0.800%	GBP SONIA Compounded OIS	Annual	Annual	Jun 2071	—	(22,627)	(22,627)
Centrally cleared	720,000	GBP	Fixed 0.840%	GBP SONIA Compounded OIS	Annual	Annual	Sep 2071	(28,042)	(34,182)	(62,224)
Centrally cleared	390,000	GBP	Fixed 0.710%	GBP SONIA Compounded OIS	Annual	Annual	Sep 2071	(151)	(4,523)	(4,674)
								\$3,541	\$36,370	\$39,911
								\$(181,517)	\$773,714	\$592,197

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	Government of Malaysia	1,900,000	USD	\$1,900,000	1.000%	Quarterly	Dec 2025	\$(36,349)	\$(19,355)	\$(55,704)
CITI	Government of Malaysia	330,000	USD	330,000	1.000%	Quarterly	Dec 2025	(6,188)	(3,487)	(9,675)
CITI	Republic of Peru	345,000	USD	345,000	1.000%	Quarterly	Dec 2025	(5,931)	943	(4,988)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

Credit default swaps - Buyer (continued)

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
CITI	Federative Republic of Brazil	760,000	USD	\$760,000	1.000%	Quarterly	Jun 2026	\$21,211	\$(920)	\$20,291
CITI	Federative Republic of Brazil	765,000	USD	765,000	1.000%	Quarterly	Jun 2026	20,923	1,435	22,358
CITI	Republic of South Africa	780,000	USD	780,000	1.000%	Quarterly	Jun 2026	29,570	908	30,478
GSI	People's Republic of China	3,880,000	USD	3,880,000	1.000%	Quarterly	Dec 2024	(76,246)	(37,848)	(114,094)
GSI	CMBX.NA.AAA.12	1,380,000	USD	1,380,000	0.500%	Monthly	Aug 2061	(11,495)	(1,720)	(13,215)
GSI	CMBX.NA.AAA.12	1,380,000	USD	1,380,000	0.500%	Monthly	Aug 2061	(11,977)	(1,238)	(13,215)
GSI	CMBX.NA.AAA.13	1,380,000	USD	1,380,000	0.500%	Monthly	Dec 2072	(2,827)	(6,723)	(9,550)
GSI	CMBX.NA.AAA.13	1,390,000	USD	1,390,000	0.500%	Monthly	Dec 2072	(2,266)	(7,353)	(9,619)
GSI	CMBX.NA.AAA.13	1,400,000	USD	1,400,000	0.500%	Monthly	Dec 2072	(5,688)	(3,981)	(9,669)
GSI	CMBX.NA.AAA.13	1,405,000	USD	1,405,000	0.500%	Monthly	Dec 2072	(6,771)	(2,952)	(9,723)
JPM	Republic of Korea	9,630,000	USD	9,630,000	1.000%	Quarterly	Dec 2024	(229,452)	(90,640)	(320,092)
JPM	Republic of South Africa	390,000	USD	390,000	1.000%	Quarterly	Jun 2026	15,945	(1,692)	14,253
MSI	Government of Japan	9,570,000	USD	9,570,000	1.000%	Quarterly	Dec 2024	(242,870)	(81,872)	(324,742)
MSI	Government of Malaysia	1,715,000	USD	1,715,000	1.000%	Quarterly	Dec 2025	(32,963)	(17,317)	(50,280)
MSI	Government of Malaysia	1,840,000	USD	1,840,000	1.000%	Quarterly	Dec 2025	(52,617)	(1,328)	(53,945)
MSI	People's Republic of China	680,000	USD	680,000	1.000%	Quarterly	Dec 2025	(14,689)	(7,585)	(22,274)
MSI	Federative Republic of Brazil	770,000	USD	770,000	1.000%	Quarterly	Jun 2026	23,216	(2,658)	20,558
MSI	Federative Republic of Brazil	775,000	USD	775,000	1.000%	Quarterly	Jun 2026	23,007	(357)	22,650
MSI	Republic of South Africa	775,000	USD	775,000	1.000%	Quarterly	Jun 2026	33,317	(4,994)	28,323
MSI	Republic of South Africa	770,000	USD	770,000	1.000%	Quarterly	Jun 2026	29,261	(1,120)	28,141
MSI	CMBX.NA.BBB-7	2,030,000	USD	2,030,000	3.000%	Monthly	Jan 2047	44,685	310,967	355,652
MSI	CMBX.NA.BBB-8	2,080,000	USD	2,080,000	3.000%	Monthly	Oct 2057	97,622	187,815	285,437
MSI	CMBX.NA.AAA.12	1,380,000	USD	1,380,000	0.500%	Monthly	Aug 2061	(11,609)	(1,606)	(13,215)
MSI	CMBX.NA.AAA.12	1,385,000	USD	1,385,000	0.500%	Monthly	Aug 2061	(12,958)	(305)	(13,263)
MSI	CMBX.NA.BBB-12	250,000	USD	250,000	3.000%	Monthly	Aug 2061	17,181	(8,889)	8,292
MSI	CMBX.NA.AAA.13	1,390,000	USD	1,390,000	0.500%	Monthly	Dec 2072	(4,567)	(5,052)	(9,619)
MSI	CMBX.NA.AAA.13	1,480,000	USD	1,480,000	0.500%	Monthly	Dec 2072	(7,571)	(2,671)	(10,242)
MSI	CMBX.NA.AAA.13	1,480,000	USD	1,480,000	0.500%	Monthly	Dec 2072	(8,163)	(2,079)	(10,242)
				\$55,485,000				\$(427,259)	\$186,326	\$(240,933)
Centrally cleared	iTraxx Europe Crossover Series 35 Version 1	265,000	EUR	312,077	5.000%	Quarterly	Jun 2026	(36,327)	(3,177)	(39,504)
Centrally cleared	iTraxx Europe Series 35 Version 1	4,790,000	EUR	5,793,886	1.000%	Quarterly	Jun 2026	(151,348)	(1,674)	(153,022)
Centrally cleared	iTraxx Europe Sub Financials Series 35 Version 1	3,375,000	EUR	4,066,585	1.000%	Quarterly	Jun 2026	12,445	(7,506)	4,939
				\$10,172,548				\$(175,230)	\$(12,357)	\$(187,587)
				\$65,657,548				\$(602,489)	\$173,969	\$(428,520)

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
BARC	Republic of Panama	0.665%	125,000	USD	\$125,000	1.000%	Quarterly	Jun 2026	\$1,206	\$1,192	\$2,398
CITI	Republic of Columbia	1.360%	280,000	USD	280,000	1.000%	Quarterly	Jun 2026	(3,330)	(723)	(4,053)
CITI	Republic of Panama	0.665%	125,000	USD	125,000	1.000%	Quarterly	Jun 2026	1,513	885	2,398
CITI	Republic of Peru	0.820%	115,000	USD	115,000	1.000%	Quarterly	Jun 2026	1,279	54	1,333
CITI	Republic of Peru	0.820%	100,000	USD	100,000	1.000%	Quarterly	Jun 2026	819	341	1,160
GSI	Republic of Columbia	1.360%	215,000	USD	215,000	1.000%	Quarterly	Jun 2026	(2,554)	(558)	(3,112)
GSI	Republic of Columbia	1.360%	215,000	USD	215,000	1.000%	Quarterly	Jun 2026	(2,554)	(558)	(3,112)
GSI	Republic of Columbia	1.360%	250,000	USD	250,000	1.000%	Quarterly	Jun 2026	(3,027)	(592)	(3,619)
GSI	Republic of Columbia	1.360%	125,000	USD	125,000	1.000%	Quarterly	Jun 2026	(1,322)	(487)	(1,809)
GSI	Republic of Columbia	1.360%	140,000	USD	140,000	1.000%	Quarterly	Jun 2026	(1,036)	(990)	(2,026)
GSI	Republic of Columbia	1.360%	255,000	USD	255,000	1.000%	Quarterly	Jun 2026	(1,705)	(1,986)	(3,691)
GSI	Republic of Panama	0.665%	110,000	USD	110,000	1.000%	Quarterly	Jun 2026	1,116	994	2,110

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

Credit default swaps - Seller (continued)

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
GSI	Republic of Peru	0.820%	110,000	USD	\$110,000	1.000%	Quarterly	Jun 2026	\$1,224	\$51	\$1,275
GSI	Republic of Peru	0.820%	65,000	USD	65,000	1.000%	Quarterly	Jun 2026	532	222	754
JPM	Republic of Columbia	1.360%	235,000	USD	235,000	1.000%	Quarterly	Jun 2026	(1,906)	(1,496)	(3,402)
MSI	Republic of Panama	0.665%	120,000	USD	120,000	1.000%	Quarterly	Jun 2026	1,216	1,086	2,302
MSI	Republic of Peru	0.820%	95,000	USD	95,000	1.000%	Quarterly	Jun 2026	824	278	1,102
					\$2,680,000				\$(7,705)	\$(2,287)	\$(9,992)

Total return swaps

Pay/ receive total return*	Reference entity	Floating/ fixed rate	Payment frequency	Currency	Notional amount	Maturity date	Counterparty (OTC)	Unamortized payment paid (received)	Unrealized appreciation (depreciation)	Value
Pay	iBoxx \$ Liquid High Yield Index	3-Month USD LIBOR	At Maturity	USD	710,000	Sep 2021	GSI	—	\$(14,033)	\$(14,033)
Pay	iBoxx \$ Liquid High Yield Index	3-Month USD LIBOR	At Maturity	USD	1,420,000	Dec 2021	GSI	—	(32,943)	(32,943)
Pay	iBoxx \$ Liquid High Yield Index	3-Month USD LIBOR	At Maturity	USD	13,540,000	Dec 2021	GSI	—	(95,231)	(95,231)
Pay	iBoxx \$ Liquid High Yield Index	3-Month USD LIBOR	At Maturity	USD	750,000	Dec 2021	GSI	—	(6,496)	(6,496)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	14,950,000	Dec 2021	GSI	—	(212,846)	(212,846)
Pay	iBoxx \$ Liquid High Yield Index	3-Month USD LIBOR	At Maturity	USD	705,000	Sep 2021	JPM	—	(9,475)	(9,475)
Pay	iBoxx \$ Liquid High Yield Index	3-Month USD LIBOR	At Maturity	USD	2,130,000	Dec 2021	JPM	—	(14,982)	(14,982)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	5,580,000	Sep 2021	MSI	—	(285,342)	(285,342)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	5,340,000	Dec 2021	MSI	—	(67,219)	(67,219)
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	2,020,000	Sep 2021	JPM	—	18,223	18,223
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	2,420,000	Sep 2021	MSI	—	8,413	8,413
								—	\$(711,931)	\$(711,931)

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

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

Derivatives Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CHF	Swiss Franc
CLP	Chilean Peso
CNY	Chinese Yuan Renminbi
COP	Colombian Peso
CZK	Czech Republic Koruna
EUR	Euro
GBP	Pound Sterling
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
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

Derivatives Abbreviations

BARC	Barclays Bank PLC
BOA	Bank of America, N.A.
CITI	Citibank, N.A.
CNREPOFIX	China Fixing Repo Rate
CORRA	Canadian Overnight Repo Rate Average
CPI	Consumer Price Index
GSI	Goldman Sachs International
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
SONIA	Sterling Overnight Interbank Average Rate
SSB	State Street Bank and Trust Company
TELBOR	Tel Aviv Interbank Offered Rate
TIIE	Tasa de Interes Interbancario de Equilibrio (Interbank Equilibrium Interest Rate)
WIBOR	Warsaw Interbank Offered Rate

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

Select Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 31.8%		
U.S. Government – 14.3%		
U.S. Treasury Bonds		
1.875%, 02/15/2051	\$ 103,472,600	\$ 98,751,663
2.250%, 05/15/2041	138,933,000	144,555,445
2.500%, 02/15/2045	115,800,000	125,290,171
3.000%, 02/15/2047	37,979,000	45,117,865
3.125%, 11/15/2041	65,949,000	78,613,269

Select Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes		
0.750%, 05/31/2026	\$ 108,023,000	\$ 107,406,932
0.875%, 06/30/2026	121,315,000	121,258,134
1.250%, 03/31/2028 to 06/30/2028	275,070,000	275,919,449
1.625%, 05/15/2031	145,873,000	148,106,680
		1,145,019,608

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency – 17.5%		
Federal Home Loan Mortgage Corp. 2.500%, 08/01/2050	\$ 69,012,874	\$ 71,998,495
3.000%, 03/01/2043 to 12/01/2049	135,069,210	143,251,934
3.500%, 04/01/2044 to 04/01/2047	79,141,009	85,614,196
4.000%, 03/01/2048 to 08/01/2048	22,310,667	24,054,919
Federal National Mortgage Association		
2.000%, TBA (A)	168,333,000	170,084,572
2.000%, 09/01/2050 to 02/01/2051	87,463,396	88,648,228
2.500%, TBA (A)	83,389,000	86,248,976
2.500%, 09/01/2050 to 12/01/2050	74,956,670	77,794,221
2.625%, 09/06/2024 (B)	8,300,000	8,869,281
3.000%, 01/01/2043 to 11/01/2049	168,550,839	178,669,502
3.500%, 06/01/2042 to 09/01/2049	193,538,342	207,296,574
4.000%, 09/01/2040 to 07/01/2049	191,905,223	210,282,770
4.500%, 12/01/2040 to 05/01/2042	46,866,599	52,050,419
Government National Mortgage Association		
4.000%, 10/15/2039 to 11/15/2041	3,501,393	3,849,279
		1,408,713,366
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,513,411,630)		\$ 2,553,732,974
FOREIGN GOVERNMENT OBLIGATIONS – 0.5%		
Qatar – 0.3%		
State of Qatar		
3.375%, 03/14/2024 (C)	11,857,000	12,716,633
5.103%, 04/23/2048 (C)	8,410,000	11,160,070
		23,876,703
Saudi Arabia – 0.2%		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (C)	14,904,000	17,251,380
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$35,529,031)		\$ 41,128,083
CORPORATE BONDS – 40.5%		
Communication services – 3.9%		
AT&T, Inc.		
2.300%, 06/01/2027	6,382,000	6,600,921
3.100%, 02/01/2043	15,595,000	15,280,768
3.500%, 06/01/2041	9,402,000	9,766,484
3.650%, 06/01/2051	3,738,000	3,880,611
Charter Communications Operating LLC		
4.200%, 03/15/2028	13,245,000	14,989,080
4.800%, 03/01/2050	15,472,000	17,770,349
5.750%, 04/01/2048	16,696,000	21,249,680
6.484%, 10/23/2045	13,673,000	18,830,205
Comcast Corp.		
4.150%, 10/15/2028 (B)	20,678,000	23,935,962
Cox Communications, Inc.		
1.800%, 10/01/2030 (C)	5,016,000	4,780,627
Level 3 Financing, Inc.		
3.400%, 03/01/2027 (C)	6,456,000	6,844,328
NBN Company, Ltd.		
1.450%, 05/05/2026 (C)	20,683,000	20,729,537
Telefonica Emisiones SA		
5.213%, 03/08/2047	16,102,000	20,099,718
T-Mobile USA, Inc.		
2.050%, 02/15/2028	12,548,000	12,738,353
2.550%, 02/15/2031	4,124,000	4,170,189
3.750%, 04/15/2027	5,869,000	6,485,245
3.875%, 04/15/2030	13,891,000	15,527,638
4.500%, 04/15/2050	7,980,000	9,502,050
Verizon Communications, Inc.		
2.650%, 11/20/2040	16,407,000	15,788,738

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Verizon Communications, Inc. (continued)		
3.000%, 03/22/2027	\$ 2,177,000	\$ 2,342,735
3.400%, 03/22/2041	3,282,000	3,471,840
4.329%, 09/21/2028	17,379,000	20,221,167
4.400%, 11/01/2034	7,740,000	9,219,941
4.500%, 08/10/2033	7,958,000	9,509,556
4.862%, 08/21/2046	14,591,000	18,877,674
		312,613,396
Consumer discretionary – 3.2%		
Amazon.com, Inc.		
4.050%, 08/22/2047	9,136,000	11,144,485
AutoNation, Inc.		
4.750%, 06/01/2030	4,925,000	5,824,815
Booking Holdings, Inc.		
4.625%, 04/13/2030	10,170,000	12,135,616
Choice Hotels International, Inc.		
3.700%, 12/01/2029 to 01/15/2031	15,291,000	16,550,468
Daimler Finance North America LLC		
3.500%, 08/03/2025 (C)	5,990,000	6,540,681
Dollar Tree, Inc.		
4.200%, 05/15/2028	16,502,000	18,824,859
eBay, Inc.		
2.700%, 03/11/2030	12,556,000	13,061,680
Expedia Group, Inc.		
2.950%, 03/15/2031	5,475,000	5,547,893
3.250%, 02/15/2030	9,432,000	9,852,165
3.800%, 02/15/2028	16,524,000	17,971,353
4.625%, 08/01/2027	8,689,000	9,819,833
5.000%, 02/15/2026	13,035,000	14,869,999
General Motors Financial Company, Inc.		
3.600%, 06/21/2030	20,346,000	22,029,659
4.350%, 01/17/2027	8,868,000	9,970,218
Genting New York LLC		
3.300%, 02/15/2026 (C)	10,242,000	10,338,871
Hyatt Hotels Corp.		
4.375%, 09/15/2028	1,824,000	2,008,137
5.750%, 04/23/2030	5,427,000	6,587,729
Hyundai Capital America		
1.800%, 10/15/2025 (C)	4,018,000	4,076,774
2.375%, 10/15/2027 (C)	4,018,000	4,107,785
Marriott International, Inc.		
2.850%, 04/15/2031	9,027,000	9,166,834
3.500%, 10/15/2032	5,228,000	5,553,715
4.625%, 06/15/2030	5,210,000	6,000,368
4.650%, 12/01/2028	13,237,000	15,107,020
Nissan Motor Acceptance Corp.		
3.450%, 03/15/2023 (C)	3,950,000	4,111,884
Prosus NV		
4.850%, 07/06/2027 (C)	3,610,000	4,107,041
5.500%, 07/21/2025 (C)	8,425,000	9,616,295
Resorts World Las Vegas LLC		
4.625%, 04/16/2029 (C)	4,670,000	4,839,980
		259,766,157
Consumer staples – 0.6%		
7-Eleven, Inc.		
2.800%, 02/10/2051 (C)	9,644,000	8,996,687
Anheuser-Busch InBev Worldwide, Inc.		
4.600%, 04/15/2048	10,094,000	12,323,194
Cargill, Inc.		
2.125%, 04/23/2030 (C)	4,306,000	4,360,570
Coca-Cola Femsa SAB de CV		
2.750%, 01/22/2030	5,029,000	5,235,591
Constellation Brands, Inc.		
3.150%, 08/01/2029	3,340,000	3,581,816

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
The Clorox Company 1.800%, 05/15/2030	\$ 10,582,000	\$ 10,392,876
The Kroger Company 2.200%, 05/01/2030	3,293,000	3,311,848
		48,202,582
Energy – 3.0%		
Aker BP ASA		
2.875%, 01/15/2026 (C)	5,450,000	5,740,381
3.000%, 01/15/2025 (C)	6,211,000	6,519,236
4.000%, 01/15/2031 (C)	10,984,000	12,064,657
Cenovus Energy, Inc.		
3.950%, 04/15/2022	4,500,000	4,580,592
Cimarex Energy Company		
4.375%, 06/01/2024	4,733,000	5,151,538
Diamondback Energy, Inc.		
3.125%, 03/24/2031	5,548,000	5,749,703
Enbridge, Inc. (5.750% to 4-15-30, then 5 Year CMT + 5.314%) 07/15/2080		
	8,820,000	9,834,300
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.641%) 03/01/2078		
	8,767,000	9,569,510
Energy Transfer LP		
4.200%, 04/15/2027	3,063,000	3,382,819
5.150%, 03/15/2045	5,400,000	6,245,459
5.250%, 04/15/2029	17,785,000	21,007,103
5.400%, 10/01/2047	8,136,000	9,639,104
5.500%, 06/01/2027	9,621,000	11,283,361
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.033%) 08/16/2077		
	12,660,000	13,273,681
Kinder Morgan Energy Partners LP		
7.750%, 03/15/2032	4,555,000	6,531,316
Kinder Morgan, Inc.		
4.300%, 03/01/2028	3,877,000	4,425,384
Lundin Energy Finance BV		
2.000%, 07/15/2026 (C)	5,640,000	5,649,026
3.100%, 07/15/2031 (C)	8,003,000	8,084,118
Midwest Connector Capital Company LLC		
3.900%, 04/01/2024 (C)	9,512,000	9,946,217
MPLX LP		
4.000%, 03/15/2028	6,705,000	7,490,535
4.125%, 03/01/2027	2,551,000	2,850,479
4.250%, 12/01/2027	3,552,000	4,025,056
Sabine Pass Liquefaction LLC		
4.200%, 03/15/2028	6,406,000	7,234,489
5.000%, 03/15/2027	7,297,000	8,426,152
5.875%, 06/30/2026	13,743,000	16,268,368
The Williams Companies, Inc.		
3.750%, 06/15/2027	9,700,000	10,776,328
4.550%, 06/24/2024	17,539,000	19,322,905
TransCanada PipeLines, Ltd.		
4.250%, 05/15/2028	6,220,000	7,144,505
		242,216,322
Financials – 10.8%		
Ares Capital Corp.		
2.150%, 07/15/2026	11,802,000	11,736,176
2.875%, 06/15/2028	6,780,000	6,881,836
3.875%, 01/15/2026	8,615,000	9,228,745
4.200%, 06/10/2024	6,463,000	6,943,451
Ascot Group, Ltd.		
4.250%, 12/15/2030 (C)	4,815,000	5,067,788
Athene Holding, Ltd.		
3.500%, 01/15/2031	14,028,000	14,955,927

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
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	\$ 3,573,915
AXA SA		
8.600%, 12/15/2030	2,474,000	3,759,608
Banco Santander SA		
4.379%, 04/12/2028	7,600,000	8,685,410
Bank of America Corp.		
3.248%, 10/21/2027	12,889,000	13,981,208
3.950%, 04/21/2025	11,322,000	12,425,321
Bank of America Corp. (2.087% to 6-14-28, then SOFR + 1.060%) 06/14/2029		
	12,755,000	12,858,210
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031		
	12,322,000	12,703,208
Bank of America Corp. (2.687% to 4-22-31, then SOFR + 1.320%) 04/22/2032		
	19,364,000	19,921,577
Bank of America Corp. (4.271% to 7-23-28, then 3 month LIBOR + 1.310%) 07/23/2029		
	17,187,000	19,744,242
Barclays PLC		
4.375%, 01/12/2026	7,380,000	8,263,320
BPCE SA		
4.500%, 03/15/2025 (C)	7,805,000	8,599,534
Brighthouse Financial, Inc. 3.700%, 06/22/2027 (B)		
	8,225,000	8,943,189
Cantor Fitzgerald LP		
4.875%, 05/01/2024 (C)	9,631,000	10,552,548
Citigroup, Inc.		
3.200%, 10/21/2026	14,418,000	15,618,451
4.600%, 03/09/2026	17,394,000	19,797,857
5.500%, 09/13/2025	4,375,000	5,095,956
Citigroup, Inc. (2.561% to 5-1-31, then SOFR + 1.167%) 05/01/2032		
	8,604,000	8,758,457
Citizens Financial Group, Inc.		
3.250%, 04/30/2030	11,890,000	12,882,300
CNA Financial Corp.		
2.050%, 08/15/2030	4,015,000	3,942,957
CNO Financial Group, Inc.		
5.250%, 05/30/2029	10,165,000	12,080,893
Credit Agricole SA		
2.811%, 01/11/2041 (C)	5,816,000	5,518,248
3.250%, 01/14/2030 (C)	12,902,000	13,582,647
Credit Suisse Group AG		
3.574%, 01/09/2023 (C)	3,256,000	3,307,560
Discover Financial Services		
4.100%, 02/09/2027	4,203,000	4,702,992
GE Capital International Funding Company		
4.418%, 11/15/2035	17,822,000	21,359,337
Jefferies Financial Group, Inc.		
5.500%, 10/18/2023	4,565,000	4,910,057
Jefferies Group LLC		
4.150%, 01/23/2030	9,200,000	10,302,709
4.850%, 01/15/2027	9,813,000	11,414,252
JPMorgan Chase & Co.		
2.950%, 10/01/2026	14,806,000	15,932,397
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031		
	12,793,000	13,163,908

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select 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	\$ 12,141,000	\$ 12,754,201
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	11,699,000	13,028,066
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (D)	8,070,000	8,362,941
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (D)	12,159,000	13,482,507
Lazard Group LLC 4.375%, 03/11/2029	7,100,000	8,069,354
Lloyds Banking Group PLC 4.450%, 05/08/2025	16,755,000	18,801,938
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (D)	3,746,000	4,125,245
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (C) 4.875%, 06/10/2025 (C)	6,523,000 7,810,000	6,894,935 8,734,622
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.205%) 12/15/2036	7,277,000	9,346,016
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 04/08/2038 (C)	2,567,000	3,892,764
Morgan Stanley 3.875%, 01/27/2026	8,532,000	9,538,738
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	22,984,000	23,864,326
NatWest Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	4,512,000	4,794,000
New York Life Insurance Company 3.750%, 05/15/2050 (C)	5,384,000	6,012,200
Nippon Life Insurance Company (2.750% to 1-21-31, then 5 Year CMT + 2.653%) 01/21/2051 (C)	13,599,000	13,327,020
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year U.S. Swap Rate + 3.650%) 10/16/2044 (C)	5,325,000	5,870,813
Oaktree Specialty Lending Corp. 2.700%, 01/15/2027	14,277,000	14,282,887
Ohio National Financial Services, Inc. 5.550%, 01/24/2030 (C)	3,660,000	4,171,075
PNC Bank NA 4.050%, 07/26/2028	2,690,000	3,111,141
Prudential Financial, Inc. (3.700% to 7-1-30, then 5 Year CMT + 3.035%) 10/01/2050	23,831,000	24,843,818
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.175%) 09/15/2042	13,898,000	14,691,790
Santander Holdings USA, Inc. 3.244%, 10/05/2026 3.450%, 06/02/2025 3.500%, 06/07/2024 4.400%, 07/13/2027	17,780,000 15,306,000 11,289,000 2,083,000	18,991,183 16,448,198 12,075,987 2,340,894
SBL Holdings, Inc. 5.000%, 02/18/2031 (C)	7,908,000	8,517,843
SVB Financial Group 3.125%, 06/05/2030	7,717,000	8,212,999

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (C)	\$ 8,725,000	\$ 10,430,951
The Goldman Sachs Group, Inc. 3.850%, 01/26/2027	19,136,000	21,086,204
The Goldman Sachs Group, Inc. (2.615% to 4-22-31, then SOFR + 1.281%) 04/22/2032	22,533,000	23,018,974
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (D)	4,465,000	4,654,763
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	11,193,680
Unum Group 4.125%, 06/15/2051	3,701,000	3,733,997
USAA Capital Corp. 2.125%, 05/01/2030 (C)	3,725,000	3,763,442
Wells Fargo & Company 3.550%, 09/29/2025	18,013,000	19,798,139
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	19,183,000	19,894,601
Wells Fargo & Company (2.879% to 10-30-29, then SOFR + 1.432%) 10/30/2030	14,423,000	15,273,492
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	9,762,000	10,012,719
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (D)	21,439,000	24,009,750
Zions Bancorp NA 3.250%, 10/29/2029	18,340,000	19,221,023
		<u>865,875,427</u>
Health care – 2.9%		
AbbVie, Inc. 3.200%, 11/21/2029	33,371,000	36,242,387
AmerisourceBergen Corp. 2.800%, 05/15/2030 3.450%, 12/15/2027	9,144,000 9,510,000	9,530,258 10,378,311
Anthem, Inc. 2.250%, 05/15/2030	3,522,000	3,552,289
Cottage Health Obligated Group 3.304%, 11/01/2049	12,102,000	13,066,456
CVS Health Corp. 2.700%, 08/21/2040 3.750%, 04/01/2030 4.300%, 03/25/2028 5.050%, 03/25/2048	6,008,000 7,993,000 10,997,000 11,164,000	5,823,655 8,944,727 12,634,527 14,500,648
Fresenius Medical Care US Finance III, Inc. 2.375%, 02/16/2031 (C) 3.750%, 06/15/2029 (C)	12,621,000 12,965,000	12,313,237 14,103,773
HCA, Inc. 4.125%, 06/15/2029	13,127,000	14,782,003
Premier Health Partners 2.911%, 11/15/2026	7,827,000	8,168,669
Royalty Pharma PLC 1.750%, 09/02/2027 (C)	4,058,000	3,993,828
Shire Acquisitions Investments Ireland DAC 3.200%, 09/23/2026	12,537,000	13,609,381
Stanford Health Care 3.310%, 08/15/2030	4,679,000	5,161,559

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Universal Health Services, Inc.		
2.650%, 10/15/2030 (C)	\$ 7,813,000	\$ 7,856,206
5.000%, 06/01/2026 (C)	10,969,000	11,243,225
Viatrix, Inc.		
2.300%, 06/22/2027 (C)	4,139,000	4,224,853
2.700%, 06/22/2030 (C)	8,321,000	8,414,044
4.000%, 06/22/2050 (C)	10,136,000	10,719,115
		229,263,151
Industrials – 5.1%		
Adani Ports & Special Economic Zone, Ltd.		
3.100%, 02/02/2031 (C)	6,679,000	6,355,803
AerCap Ireland Capital DAC		
1.750%, 01/30/2026	9,702,000	9,588,143
2.875%, 08/14/2024	9,926,000	10,380,208
3.650%, 07/21/2027	3,468,000	3,704,804
Air Canada 2013-1 Class A Pass Through Trust		
4.125%, 05/15/2025 (C)	2,793,972	2,863,822
Air Canada 2017-1 Class B Pass Through Trust		
3.700%, 01/15/2026 (C)	4,274,947	4,152,256
Air Lease Corp.		
2.875%, 01/15/2026	4,391,000	4,613,330
3.625%, 12/01/2027	4,932,000	5,297,438
Alaska Airlines 2020-1 Class B Pass Through Trust		
8.000%, 08/15/2025 (C)	13,539,479	15,198,066
American Airlines 2016-1 Class A Pass Through Trust		
4.100%, 01/15/2028	8,186,885	8,064,081
American Airlines 2016-1 Class AA Pass Through Trust		
3.575%, 01/15/2028	7,168,784	7,383,848
American Airlines 2017-1 Class A Pass Through Trust		
4.000%, 02/15/2029	5,437,775	5,424,181
American Airlines 2017-1 Class AA Pass Through Trust		
3.650%, 02/15/2029	6,250,825	6,500,858
American Airlines 2017-2 Class A Pass Through Trust		
3.600%, 10/15/2029	4,787,069	4,679,360
American Airlines 2019-1 Class A Pass Through Trust		
3.500%, 02/15/2032	4,984,681	4,810,217
American Airlines 2019-1 Class AA Pass Through Trust		
3.150%, 02/15/2032	7,467,564	7,616,915
Ashtead Capital, Inc.		
4.125%, 08/15/2025 (C)	3,408,000	3,488,940
4.250%, 11/01/2029 (C)	4,031,000	4,353,480
5.250%, 08/01/2026 (C)	9,165,000	9,554,879
British Airways 2013-1 Class A Pass Through Trust		
4.625%, 06/20/2024 (C)	3,049,973	3,209,092
British Airways 2018-1 Class A Pass Through Trust		
4.125%, 09/20/2031 (C)	1,629,340	1,640,065
British Airways 2020-1 Class A Pass Through Trust		
4.250%, 11/15/2032 (C)	2,636,250	2,837,041
Continental Airlines 2007-1 Class A Pass Through Trust		
5.983%, 04/19/2022	1,478,605	1,508,325

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
CoStar Group, Inc.		
2.800%, 07/15/2030 (C)	\$ 10,366,000	\$ 10,530,411
DAE Funding LLC		
3.375%, 03/20/2028 (C)	11,546,000	11,800,936
Delta Air Lines, Inc.		
2.900%, 10/28/2024	15,545,000	15,815,735
3.800%, 04/19/2023	6,835,000	7,094,069
4.375%, 04/19/2028	9,405,000	9,851,672
4.500%, 10/20/2025 (C)	2,059,000	2,212,644
4.750%, 10/20/2028 (C)	3,684,000	4,095,715
General Electric Company		
4.250%, 05/01/2040	11,092,000	12,962,105
5.550%, 01/05/2026	11,917,000	14,120,790
GXO Logistics, Inc.		
2.650%, 07/15/2031 (C)	18,285,000	18,138,171
Huntington Ingalls Industries, Inc.		
3.844%, 05/01/2025	4,251,000	4,632,405
4.200%, 05/01/2030	9,417,000	10,755,263
IHS Markit, Ltd.		
4.000%, 03/01/2026 (C)	8,327,000	9,230,480
4.750%, 02/15/2025 (C)	2,050,000	2,294,975
4.750%, 08/01/2028	4,190,000	4,940,429
JetBlue 2019-1 Class AA Pass Through Trust		
2.750%, 05/15/2032	7,396,784	7,595,835
Masco Corp.		
2.000%, 10/01/2030	2,792,000	2,722,558
Owens Corning		
3.950%, 08/15/2029	8,341,000	9,423,347
SMBC Aviation Capital Finance DAC		
2.300%, 06/15/2028 (C)	3,894,000	3,938,676
The Boeing Company		
3.200%, 03/01/2029	8,456,000	8,874,557
5.040%, 05/01/2027	12,324,000	14,219,776
5.150%, 05/01/2030	9,011,000	10,670,420
5.805%, 05/01/2050	6,872,000	9,254,048
United Airlines 2014-2 Class A Pass Through Trust		
3.750%, 09/03/2026	9,148,458	9,674,494
United Airlines 2016-1 Class A Pass Through Trust		
3.450%, 07/07/2028	9,205,798	9,320,870
United Airlines 2016-1 Class B Pass Through Trust		
3.650%, 01/07/2026	9,418,229	9,347,592
United Airlines 2018-1 Class B Pass Through Trust		
4.600%, 03/01/2026	2,883,641	2,948,523
United Airlines 2019-1 Class A Pass Through Trust		
4.550%, 08/25/2031	6,822,459	7,319,598
United Airlines 2020-1 Class A Pass Through Trust		
5.875%, 10/15/2027	17,518,925	19,481,044
United Airlines 2020-1 Class B Pass Through Trust		
4.875%, 01/15/2026	4,379,867	4,644,805
US Airways 2010-1 Class A Pass Through Trust		
6.250%, 04/22/2023	1,702,931	1,745,504
US Airways 2012-1 Class A Pass Through Trust		
5.900%, 10/01/2024	3,048,244	3,170,174
		406,052,773

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology – 5.4%		
Apple, Inc. 2.650%, 02/08/2051	\$ 17,315,000	\$ 16,926,712
Autodesk, Inc. 2.850%, 01/15/2030	4,681,000	4,939,093
Broadcom, Inc. 3.419%, 04/15/2033 (C)	18,199,000	19,111,940
4.750%, 04/15/2029	36,324,000	42,254,144
5.000%, 04/15/2030	14,161,000	16,706,746
Citrix Systems, Inc. 1.250%, 03/01/2026	13,442,000	13,273,220
Dell International LLC 4.900%, 10/01/2026	10,965,000	12,654,529
5.300%, 10/01/2029	9,287,000	11,205,986
5.850%, 07/15/2025	3,860,000	4,528,609
8.350%, 07/15/2046	8,532,000	13,954,968
Hewlett Packard Enterprise Company 4.900%, 10/15/2025	10,479,000	11,929,393
Jabil, Inc. 1.700%, 04/15/2026	6,797,000	6,847,351
KLA Corp. 4.100%, 03/15/2029	7,616,000	8,791,946
Lam Research Corp. 4.000%, 03/15/2029	15,023,000	17,431,274
4.875%, 03/15/2049	5,964,000	8,042,830
Marvell Technology, Inc. 2.450%, 04/15/2028 (C)	11,200,000	11,415,151
4.875%, 06/22/2028 (C)	10,319,000	11,928,775
Micron Technology, Inc. 4.185%, 02/15/2027	22,492,000	25,370,507
4.975%, 02/06/2026	5,650,000	6,494,022
5.327%, 02/06/2029	19,168,000	23,152,420
Microsoft Corp. 2.525%, 06/01/2050	24,775,000	24,340,965
Motorola Solutions, Inc. 2.300%, 11/15/2030	11,690,000	11,479,966
2.750%, 05/24/2031	12,426,000	12,683,074
4.600%, 02/23/2028 to 05/23/2029	8,385,000	9,772,811
NVIDIA Corp. 2.850%, 04/01/2030	9,403,000	10,178,503
NXP BV 3.250%, 05/11/2041 (C)	3,717,000	3,821,707
3.875%, 06/18/2026 (C)	12,831,000	14,210,952
Oracle Corp. 2.950%, 04/01/2030	18,106,000	19,073,150
PayPal Holdings, Inc. 2.850%, 10/01/2029	13,135,000	14,165,621
Skyworks Solutions, Inc. 3.000%, 06/01/2031	2,652,000	2,710,634
VeriSign, Inc. 2.700%, 06/15/2031	5,582,000	5,670,921
Visa, Inc. 2.700%, 04/15/2040	4,508,000	4,660,055
VMware, Inc. 4.700%, 05/15/2030	12,282,000	14,532,293
		434,260,268
Materials – 1.1%		
Anglo American Capital PLC 4.750%, 04/10/2027 (C)	5,485,000	6,304,644
Berry Global, Inc. 1.570%, 01/15/2026 (C)	9,564,000	9,566,869
Colonial Enterprises, Inc. 3.250%, 05/15/2030 (C)	21,491,000	23,230,356
Ecolab, Inc. 1.300%, 01/30/2031	12,758,000	12,050,334
4.800%, 03/24/2030	7,425,000	9,083,603

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Georgia-Pacific LLC 2.300%, 04/30/2030 (C)	\$ 5,295,000	\$ 5,408,222
International Flavors & Fragrances, Inc. 1.832%, 10/15/2027 (C)	3,042,000	3,033,358
Inversiones CMPC SA 3.850%, 01/13/2030 (C)	3,668,000	3,911,959
Newmont Corp. 2.800%, 10/01/2029	3,464,000	3,649,571
Orbia Advance Corp. SAB de CV 5.500%, 01/15/2048 (C)	3,490,000	4,088,535
Vulcan Materials Company 3.500%, 06/01/2030	6,839,000	7,538,636
		87,866,087
Real estate – 2.9%		
American Homes 4 Rent LP 4.250%, 02/15/2028	10,196,000	11,444,871
American Tower Corp. 3.550%, 07/15/2027	14,505,000	15,933,923
3.800%, 08/15/2029	6,600,000	7,353,853
Crown Castle International Corp. 2.250%, 01/15/2031	5,742,000	5,667,517
3.300%, 07/01/2030	3,145,000	3,369,218
3.650%, 09/01/2027	11,831,000	13,044,780
3.800%, 02/15/2028	4,658,000	5,175,412
4.150%, 07/01/2050	2,123,000	2,423,899
CyrusOne LP 2.150%, 11/01/2030	3,797,000	3,602,272
3.450%, 11/15/2029	8,590,000	9,123,568
Equinix, Inc. 1.550%, 03/15/2028	9,456,000	9,284,885
1.800%, 07/15/2027	5,384,000	5,449,364
2.500%, 05/15/2031	14,515,000	14,762,165
3.200%, 11/18/2029	12,260,000	13,150,131
GLP Capital LP 5.375%, 04/15/2026	7,596,000	8,743,072
Host Hotels & Resorts LP 3.375%, 12/15/2029	10,874,000	11,397,320
3.500%, 09/15/2030	7,110,000	7,461,022
3.875%, 04/01/2024	17,397,000	18,563,649
4.000%, 06/15/2025	13,557,000	14,669,552
4.500%, 02/01/2026	4,859,000	5,337,710
Prologis LP 2.250%, 04/15/2030	12,243,000	12,505,006
SBA Tower Trust 2.328%, 01/15/2028 (C)	21,448,000	22,224,911
2.836%, 01/15/2025 (C)	7,899,000	8,286,587
Ventas Realty LP 3.500%, 02/01/2025	4,775,000	5,152,969
		234,127,656
Utilities – 1.6%		
ABY Transmision Sur SA 6.875%, 04/30/2043 (C)	2,569,121	3,272,444
AES Panama Generation Holdings SRL 4.375%, 05/31/2030 (C)	5,952,000	6,220,763
Dominion Energy, Inc. 3.375%, 04/01/2030	6,792,000	7,395,880
Emera US Finance LP 3.550%, 06/15/2026	6,192,000	6,762,902
Engie Energia Chile SA 3.400%, 01/28/2030 (C)	8,250,000	8,456,250
Infraestructura Energetica Nova SAB de CV 4.750%, 01/15/2051 (C)	12,007,000	12,157,088
NiSource, Inc. 1.700%, 02/15/2031	27,237,000	25,737,056

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
NiSource, Inc. (continued)		
3.600%, 05/01/2030	\$ 4,676,000	\$ 5,177,299
NRG Energy, Inc.		
2.450%, 12/02/2027 (C)	7,276,000	7,322,795
4.450%, 06/15/2029 (C)	5,451,000	6,016,700
SCE Recovery Funding LLC		
0.861%, 11/15/2031	4,717,000	4,607,264
Vistra Operations Company LLC		
3.550%, 07/15/2024 (C)	12,479,000	13,176,210
3.700%, 01/30/2027 (C)	12,977,000	13,864,773
4.300%, 07/15/2029 (C)	11,424,000	12,416,959
		132,584,383
TOTAL CORPORATE BONDS (Cost \$3,075,254,601)		\$ 3,252,828,202
MUNICIPAL BONDS – 1.5%		
City of New York, GO		
0.982%, 08/01/2025	12,545,000	12,586,190
Foothill-Eastern Transportation Corridor Agency (California)		
4.094%, 01/15/2049	8,396,000	8,888,256
Maryland Health & Higher Educational Facilities Authority		
3.197%, 07/01/2050	14,500,000	14,932,564
Mississippi Hospital Equipment & Facilities Authority		
3.720%, 09/01/2026	7,677,000	8,033,594
New Jersey Transportation Trust Fund Authority		
4.081%, 06/15/2039	9,117,000	10,287,647
4.131%, 06/15/2042	790,000	899,430
Ohio Turnpike & Infrastructure Commission		
3.216%, 02/15/2048	6,950,000	7,142,083
Port Authority of New York & New Jersey		
1.086%, 07/01/2023	19,174,000	19,418,010
Regents of the University of California Medical Center Pooled Revenue		
3.006%, 05/15/2050	14,500,000	14,922,400
State Board of Administration Finance Corp. (Florida)		
1.705%, 07/01/2027	12,324,000	12,523,484
University of California		
1.316%, 05/15/2027	14,360,000	14,403,870
TOTAL MUNICIPAL BONDS (Cost \$120,904,252)		\$ 124,037,528
COLLATERALIZED MORTGAGE OBLIGATIONS – 8.0%		
Commercial and residential – 6.7%		
Angel Oak Mortgage Trust LLC		
Series 2020-R1, Class A1,		
0.990%, 04/25/2053 (C)(E)	8,309,669	8,308,387
Series 2021-2, Class A1,		
0.985%, 04/25/2066 (C)(E)	5,286,660	5,281,244
Arroyo Mortgage Trust		
Series 2021-1R, Class A1		
1.175%, 10/25/2048 (C)(E)	8,230,000	8,240,143
BAMLL Commercial Mortgage Securities Trust		
Series 2015-200P, Class A,		
3.218%, 04/14/2033 (C)	5,706,000	6,083,935
Series 2015-200P, Class C,		
3.596%, 04/14/2033 (C)(E)	6,760,000	7,198,783

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
BBCMS Mortgage Trust		
Series 2020-C6, Class A2		
2.690%, 02/15/2053	\$ 4,700,000	\$ 4,890,961
Benchmark Mortgage Trust		
Series 2018-B1, Class A2,		
3.571%, 01/15/2051	9,840,000	10,157,669
Series 2019-B12, Class A2,		
3.001%, 08/15/2052	8,685,000	9,099,849
Bravo Residential Funding Trust		
Series 2021-NQM1, Class A1		
0.941%, 02/25/2049 (C)(E)	5,397,256	5,384,941
Bunker Hill Loan Depository Trust		
Series 2019-2, Class A1		
2.879%, 07/25/2049 (C)	6,726,404	6,825,742
BX Commercial Mortgage Trust		
Series 2018-BIOA, Class D (1 month LIBOR + 1.321%),		
1.427%, 03/15/2037 (C)(F)	7,242,000	7,250,917
Series 2020-VKNG, Class A (1 month LIBOR + 0.930%),		
1.036%, 10/15/2037 (C)(F)	9,676,000	9,688,151
BX Trust		
Series 2021-MFM1, Class D (1 month LIBOR + 1.500%)		
1.606%, 01/15/2034 (C)(F)	2,033,000	2,032,999
Cantor Commercial Real Estate Lending		
Series 2019-CF1, Class A2		
3.623%, 05/15/2052	10,780,000	11,478,283
Citigroup Commercial Mortgage Trust		
Series 2019-PRM, Class A,		
3.341%, 05/10/2036 (C)	5,636,000	5,983,019
Series 2019-SMRT, Class A,		
4.149%, 01/10/2036 (C)	3,645,000	3,914,151
Series 2020-GC46, Class A2,		
2.708%, 02/15/2053	13,170,000	13,713,244
COLT Mortgage Loan Trust		
Series 2020-1, Class A1		
2.488%, 02/25/2050 (C)(E)	2,103,689	2,116,816
COLT Trust		
Series 2020-RPL1, Class A1		
1.390%, 01/25/2065 (C)(E)	13,027,579	13,107,453
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2020-CX, Class D		
2.683%, 11/10/2046 (C)(E)	4,291,000	4,269,569
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2020-CBM, Class A2		
2.896%, 02/10/2037 (C)	5,531,000	5,627,122
Credit Suisse Mortgage Capital Certificates		
Series 2019-AFC1, Class A1,		
2.573%, 07/25/2049 (C)	4,944,194	5,006,095
Series 2019-ICE4, Class B (1 month LIBOR + 1.230%),		
1.336%, 05/15/2036 (C)(F)	3,709,000	3,713,647
Series 2020-AFC1, Class A1,		
2.240%, 02/25/2050 (C)(E)	5,344,108	5,406,708
Series 2020-NET, Class A,		
2.257%, 08/15/2037 (C)	2,236,000	2,308,372
Series 2021-AFC1, Class A1,		
0.830%, 03/25/2056 (C)(E)	16,729,809	16,689,678

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Credit Suisse Mortgage		
Capital Certificates (continued)		
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (C)(E)	\$ 8,391,936	\$ 8,393,703
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (C)(E)	6,883,020	6,871,710
Series 2021-RPL2, Class A1A, 1.115%, 01/25/2060 (C)(E)	15,368,950	15,175,758
DBJPM Mortgage Trust		
Series 2020-C9, Class A2 1.900%, 09/15/2053	8,675,000	8,867,412
Deephaven Residential Mortgage Trust		
Series 2021-2, Class A1 0.899%, 04/25/2066 (C)(E)	10,125,664	10,116,035
Ellington Financial Mortgage Trust		
Series 2020-2, Class A1, 1.178%, 10/25/2065 (C)(E)	8,450,347	8,466,187
Series 2021-1, Class A1, 0.797%, 02/25/2066 (C)(E)	4,719,750	4,706,192
Series 2021-2, Class A1, 0.931%, 06/25/2066 (C)(E)	7,316,430	7,299,184
Flagstar Mortgage Trust		
Series 2021-1, Class A2 2.500%, 02/01/2051 (C)(E)	12,863,197	13,051,939
GCAT Trust		
Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (C)(E)	8,206,305	8,173,344
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (C)(E)	5,684,000	5,672,292
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (C)(E)	9,394,000	9,401,450
GS Mortgage Securities Trust		
Series 2013-GC12, Class A3, 2.860%, 06/10/2046	11,611,000	11,925,965
Series 2019-GC40, Class A2, 2.971%, 07/10/2052	6,505,000	6,809,647
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (C)	5,820,000	6,103,145
GS Mortgage-Backed Securities Corp. Trust		
Series 2021-NQM1, Class A1 1.017%, 07/25/2061 (C)(E)	5,185,480	5,181,434
GS Mortgage-Backed Securities Trust		
Series 2020-NQM1, Class A1 1.382%, 09/27/2060 (C)(E)	2,850,308	2,859,949
Imperial Fund Mortgage Trust		
Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (C)(E)	5,471,032	5,465,769
Irvine Core Office Trust		
Series 2013-IRV, Class A2 3.174%, 05/15/2048 (C)(E)	5,620,000	5,867,152
JPMCC Commercial Mortgage Securities Trust		
Series 2019-COR5, Class A2 3.150%, 06/13/2052	17,510,000	18,286,812
KNDL Mortgage Trust		
Series 2019-KNSQ, Class C (1 month LIBOR + 1.050%) 1.156%, 05/15/2036 (C)(F)	7,485,000	7,487,287
Life Mortgage Trust		
Series 2021-BMR, Class A (1 month LIBOR + 0.700%), 0.806%, 03/15/2038 (C)(F)	7,467,000	7,475,980

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Life Mortgage Trust (continued)		
Series 2021-BMR, Class D (1 month LIBOR + 1.400%), 1.506%, 03/15/2038 (C)(F)	\$ 5,822,000	\$ 5,844,196
MFA Trust		
Series 2020-NQM1, Class A1, 1.479%, 03/25/2065 (C)(E)	2,448,490	2,467,198
Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (C)(E)	5,078,215	5,081,923
Series 2021-INV1, Class A1, 0.852%, 01/25/2056 (C)(E)	12,916,495	12,859,454
Series 2021-NQM1, Class A1, 1.153%, 04/25/2065 (C)(E)	7,046,224	7,035,026
Morgan Stanley Capital I Trust		
Series 2017-CLS, Class D (1 month LIBOR + 1.400%) 1.506%, 11/15/2034 (C)(F)	5,105,000	5,106,613
New Residential Mortgage Loan Trust		
Series 2020-1A, Class A1B 3.500%, 10/25/2059 (C)(E)	4,093,831	4,317,866
NMLT Trust		
Series 2021-INV1, Class A1 1.185%, 05/25/2056 (C)(E)	13,049,199	13,012,466
OBX Trust		
Series 2020-EXP2, Class A3 2.500%, 05/25/2060 (C)(E)	4,866,238	4,943,405
Onslow Bay Mortgage Loan Trust		
Series 2021-NQM2, Class A1 1.101%, 05/25/2061 (C)(E)	9,764,000	9,762,602
Provident Funding Mortgage Trust		
Series 2020-F1, Class A2 2.000%, 01/25/2036 (C)(E)	12,115,738	12,345,145
SLG Office Trust		
Series 2021-OVA, Class C 2.851%, 07/15/2041 (C)	13,468,000	13,968,655
Starwood Mortgage Residential Trust		
Series 2020-3, Class A1, 1.486%, 04/25/2065 (C)(E)	4,140,871	4,177,037
Series 2021-2, Class A1, 0.943%, 05/25/2065 (C)(E)	9,188,672	9,185,101
Verus Securitization Trust		
Series 2020-5, Class A1, 1.218%, 05/25/2065 (C)	3,552,029	3,561,144
Series 2021-1, Class A1, 0.815%, 01/25/2066 (C)(E)	8,732,466	8,723,925
Series 2021-3, Class A1, 1.046%, 06/25/2066 (C)(E)	10,072,000	10,071,521
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (C)(E)	7,367,338	7,361,000
Series 2021-R2, Class A1, 0.918%, 02/25/2064 (C)(E)	6,903,184	6,911,006
Visio Trust		
Series 2020-1R, Class A1 1.312%, 11/25/2055 (C)	13,138,633	13,166,301
Wells Fargo Commercial Mortgage Trust		
Series 2019-C51, Class A2 3.039%, 06/15/2052	13,310,000	13,951,350
		541,289,158
U.S. Government Agency – 1.3%		
Federal Home Loan Mortgage Corp.		
Series K017, Class X1 IO, 1.285%, 12/25/2021	118,046,576	46,180

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series K018, Class X1 IO, 1.235%, 01/25/2022	\$ 85,152,760	\$ 191,304
Series K021, Class X1 IO, 1.400%, 06/25/2022	28,519,784	219,026
Series K022, Class X1 IO, 1.175%, 07/25/2022	135,560,315	1,071,252
Series K026, Class X1 IO, 0.954%, 11/25/2022	151,157,539	1,685,467
Series K038, Class X1 IO, 1.113%, 03/25/2024	51,714,948	1,301,107
Series K048, Class X1 IO, 0.236%, 06/25/2025	158,103,297	1,382,471
Government National		
Mortgage Association		
Series 2012-114, Class IO, 0.692%, 01/16/2053	22,686,697	532,822
Series 2016-174, Class IO, 0.858%, 11/16/2056	20,182,314	1,103,484
Series 2017-109, Class IO, 0.507%, 04/16/2057	26,110,214	937,879
Series 2017-124, Class IO, 0.677%, 01/16/2059	31,008,754	1,499,211
Series 2017-135, Class IO, 0.774%, 10/16/2058	47,686,496	2,392,908
Series 2017-140, Class IO, 0.565%, 02/16/2059	21,774,230	960,897
Series 2017-159, Class IO, 0.506%, 06/16/2059	35,535,832	1,559,238
Series 2017-20, Class IO, 0.695%, 12/16/2058	51,994,041	2,307,012
Series 2017-22, Class IO, 0.773%, 12/16/2057	21,692,340	1,227,157
Series 2017-41, Class IO, 0.699%, 07/16/2058	25,431,960	1,158,767
Series 2017-46, Class IO, 0.641%, 11/16/2057	22,424,267	1,047,711
Series 2017-61, Class IO, 0.698%, 05/16/2059	36,967,969	1,936,157
Series 2018-158, Class IO, 0.717%, 05/16/2061	26,308,878	1,745,528
Series 2018-69, Class IO, 0.566%, 04/16/2060	35,053,893	2,094,821
Series 2019-131, Class IO, 0.922%, 07/16/2061	38,157,575	2,623,120
Series 2020-100, Class IO, 0.909%, 05/16/2062	33,535,222	2,619,393
Series 2020-108, Class IO, 0.933%, 06/16/2062	85,266,831	6,702,698
Series 2020-114, Class IO, 0.927%, 09/16/2062	87,182,063	7,129,583
Series 2020-118, Class IO, 1.047%, 06/16/2062	63,158,706	5,282,190
Series 2020-119, Class IO, 0.813%, 08/16/2062	37,158,388	2,774,948
Series 2020-120, Class IO, 0.853%, 05/16/2062	17,598,723	1,404,683
Series 2020-137, Class IO, 0.844%, 09/16/2062	102,760,960	7,834,753
Series 2020-150, Class IO, 0.984%, 12/16/2062	52,238,213	4,453,987
Series 2020-170, Class IO, 0.886%, 11/16/2062	70,932,285	5,834,053

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2020-92, Class IO, 1.016%, 02/16/2062	\$ 76,986,840	\$ 6,422,720
Series 2021-10, Class IO, 1.000%, 05/16/2063	48,565,298	4,376,039
Series 2021-11, Class IO, 1.022%, 12/16/2062	73,869,774	6,674,511
Series 2021-3, Class IO, 0.958%, 09/16/2062	88,007,263	7,363,797
Series 2021-40, Class IO, 0.843%, 02/16/2063	21,953,356	1,752,031
		99,648,905
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$674,116,194)		\$ 640,938,063
ASSET BACKED SECURITIES – 16.3%		
ABPCI Direct Lending Fund I, Ltd.		
Series 2020-1A, Class A 3.199%, 12/20/2030 (C)	9,473,000	9,501,428
AGL CLO 5, Ltd.		
Series 2020-5A, Class A1R (3 month LIBOR + 1.160%) 1.311%, 07/20/2034 (C)(F)	7,443,000	7,443,782
AmeriCredit Automobile Receivables Trust		
Series 2020-1, Class C 1.590%, 10/20/2025	7,850,000	7,983,400
AMSR Trust		
Series 2020-SFR1, Class A 1.819%, 04/17/2037 (C)	9,026,339	9,145,139
Series 2020-SFR2, Class A 1.632%, 07/17/2037 (C)	17,232,000	17,401,428
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (C)	12,046,000	12,005,560
Series 2021-SFR1, Class B 2.153%, 06/17/2038 (C)(E)	7,203,000	7,250,592
Applebee's Funding LLC		
Series 2019-1A, Class A2I 4.194%, 06/07/2049 (C)	10,953,230	11,226,294
Arby's Funding LLC		
Series 2020-1A, Class A2 3.237%, 07/30/2050 (C)	10,428,198	10,895,902
Avis Budget Rental Car Funding AESOP LLC		
Series 2019-3A, Class A 2.360%, 03/20/2026 (C)	10,031,000	10,495,231
Series 2020-1A, Class A 2.330%, 08/20/2026 (C)	6,188,000	6,448,754
BA Credit Card Trust		
Series 2021-A1, Class A1 0.440%, 09/15/2026	17,014,000	16,967,504
Bain Capital Credit CLO, Ltd.		
Series 2017-1A, Class BR (3 month LIBOR + 1.500%) 1.686%, 07/20/2030 (C)(F)	8,160,000	8,160,212
Balboa Bay Loan Funding, Ltd.		
Series 2021-1A, Class A (3 month LIBOR + 1.200%) 1.347%, 07/20/2034 (C)(F)	3,723,000	3,724,515
Bojangles Issuer LLC		
Series 2020-1A, Class A2 3.832%, 10/20/2050 (C)	5,760,000	6,005,837

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
BRE Grand Islander Timeshare Issuer LLC Series 2019-A, Class A 3.280%, 09/26/2033 (C)	\$ 4,056,148	\$ 4,253,058
CarMax Auto Owner Trust Series 2020-3, Class A3 0.620%, 03/17/2025	10,590,000	10,639,988
Series 2020-3, Class A4 0.770%, 03/16/2026	4,680,000	4,709,952
CARS-DB4 LP Series 2020-1A, Class A1 2.690%, 02/15/2050 (C)	8,932,095	9,233,867
Carvana Auto Receivables Trust Series 2020-P1, Class A4 0.610%, 10/08/2026	6,886,000	6,849,928
CF Hippolyta LLC Series 2020-1, Class A1 1.690%, 07/15/2060 (C)	10,295,839	10,461,982
Series 2021-1A, Class A1 1.530%, 03/15/2061 (C)	10,322,000	10,390,941
CLI Funding VI LLC Series 2020-1A, Class A 2.080%, 09/18/2045 (C)	14,154,135	14,260,760
CLI Funding VIII LLC Series 2021-1A, Class A 1.640%, 02/18/2046 (C)	11,369,553	11,270,167
CoreVest American Finance Trust Series 2019-3, Class A 2.705%, 10/15/2052 (C)	1,915,810	2,004,830
Series 2020-3, Class A 1.358%, 08/15/2053 (C)	6,881,647	6,815,924
Series 2021-1, Class A 1.569%, 04/15/2053 (C)	8,698,270	8,692,451
DataBank Issuer Series 2021-1A, Class A2 2.060%, 02/27/2051 (C)	15,959,000	16,166,413
DB Master Finance LLC Series 2017-1A, Class A2II 4.030%, 11/20/2047 (C)	4,167,990	4,439,535
Diamond Infrastructure Funding LLC Series 2021-1A, Class A 1.760%, 04/15/2049 (C)	8,859,000	8,815,159
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (C)	11,882,835	12,822,054
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (C)	7,199,000	7,448,733
DRB Prime Student Loan Trust Series 2015-D, Class A2 3.200%, 01/25/2040 (C)	2,137,711	2,137,711
Series 2016-B, Class A2 2.890%, 06/25/2040 (C)	1,711,227	1,720,800
Driven Brands Funding LLC Series 2018-1A, Class A2 4.739%, 04/20/2048 (C)	3,666,600	3,898,622
Series 2020-2A, Class A2 3.237%, 01/20/2051 (C)	7,576,013	7,790,717
Elara HGV Timeshare Issuer LLC Series 2019-A, Class A 2.610%, 01/25/2034 (C)	5,652,276	5,820,984
Exeter Automobile Receivables Trust Series 2020-1A, Class C 2.490%, 01/15/2025 (C)	14,330,000	14,584,849
Series 2021-1A, Class C 0.740%, 01/15/2026	4,763,000	4,760,089

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
FirstKey Homes Trust Series 2020-SFR1, Class A 1.339%, 09/17/2025 (C)	\$ 11,769,368	\$ 11,770,459
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (C)	13,728,633	13,706,513
Series 2021-SFR1, Class A 1.538%, 08/17/2028 (C)	11,427,000	11,426,933
Series 2021-SFR1, Class C 1.888%, 08/17/2028 (C)	12,224,000	12,223,416
Five Guys Funding LLC Series 2017-1A, Class A2 4.600%, 07/25/2047 (C)	5,984,775	6,250,944
Ford Credit Auto Owner Trust Series 2018-1, Class A 3.190%, 07/15/2031 (C)	26,635,000	28,734,166
Series 2018-2, Class A 3.470%, 01/15/2030 (C)	10,877,000	11,547,532
Series 2020-1, Class A 2.040%, 08/15/2031 (C)	12,180,000	12,641,724
Series 2021-1, Class A 1.370%, 10/17/2033 (C)	9,786,000	9,853,976
Ford Credit Floorplan Master Owner Trust Series 2019-2, Class A 3.060%, 04/15/2026	14,258,000	15,209,345
Series 2020-2, Class A 1.060%, 09/15/2027	15,316,000	15,326,939
GM Financial Automobile Leasing Trust Series 2021-2, Class A4 0.410%, 05/20/2025	2,724,000	2,720,283
GMF Floorplan Owner Revolving Trust Series 2019-2, Class A 2.900%, 04/15/2026 (C)	11,385,000	12,077,811
Series 2020-1, Class A 0.680%, 08/15/2025 (C)	5,302,000	5,321,422
Golden Credit Card Trust Series 2018-4A, Class A 3.440%, 08/15/2025 (C)	18,115,000	19,266,694
Golub Capital Partners Funding, Ltd. Series 2020-1A, Class A2 3.208%, 01/22/2029 (C)	7,732,000	7,733,369
Series 2021-1A, Class A2 2.773%, 04/20/2029 (C)	6,328,000	6,380,504
GreatAmerica Leasing Receivables Funding LLC Series 2019-1, Class A4 3.210%, 02/18/2025 (C)	7,484,000	7,729,105
HalseyPoint CLO II, Ltd. Series 2020-2A, Class B (3 month LIBOR + 2.950%) 3.138%, 07/20/2031 (C)(F)	5,796,000	5,844,310
Hilton Grand Vacations Trust Series 2018-AA, Class A 3.540%, 02/25/2032 (C)	2,683,846	2,822,211
Home Partners of America Trust Series 2019-1, Class A 2.908%, 09/17/2039 (C)	13,240,171	13,565,674
Honda Auto Receivables Owner Trust Series 2021-2, Class A4 0.550%, 08/16/2027	5,429,000	5,413,521
Jack in the Box Funding LLC Series 2019-1A, Class A23 4.970%, 08/25/2049 (C)	5,790,245	6,378,418
Series 2019-1A, Class A2I 3.982%, 08/25/2049 (C)	4,813,625	4,925,301

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
John Deere Owner Trust		
Series 2020-B, Class A3	\$ 4,821,000	\$ 4,833,268
0.510%, 11/15/2024		
Series 2020-B, Class A4	5,935,000	5,965,428
0.720%, 06/15/2027		
Laurel Road Prime Student Loan Trust		
Series 2019-A, Class A2FX	1,583,128	1,612,774
2.730%, 10/25/2048 (C)		
Madison Park Funding XXIII, Ltd.		
Series 2017-23A, Class AR (3 month LIBOR + 0.970%)	10,419,000	10,399,548
1.125%, 07/27/2031 (C)(F)		
Series 2017-23A, Class BR (3 month LIBOR + 1.550%)	10,046,000	10,019,961
1.705%, 07/27/2031 (C)(F)		
Monroe Capital Funding, Ltd.		
Series 2021-1A, Class A2	13,424,000	13,400,395
2.815%, 04/22/2031 (C)		
MVW LLC		
Series 2020-1A, Class A	16,210,054	16,519,104
1.740%, 10/20/2037 (C)		
MVW Owner Trust		
Series 2018-1A, Class A	3,584,723	3,712,962
3.450%, 01/21/2036 (C)		
Navient Private Education Loan Trust		
Series 2016-AA, Class A2A	2,683,551	2,832,710
3.910%, 12/15/2045 (C)		
Navient Private Education Refi Loan Trust		
Series 2019-EA, Class A2A	6,423,484	6,559,195
2.640%, 05/15/2068 (C)		
Series 2019-FA, Class A2	6,353,642	6,476,071
2.600%, 08/15/2068 (C)		
Series 2020-BA, Class A2	12,516,201	12,702,128
2.120%, 01/15/2069 (C)		
Series 2020-GA, Class A	10,806,030	10,850,943
1.170%, 09/16/2069 (C)		
Series 2020-HA, Class A	14,245,556	14,340,276
1.310%, 01/15/2069 (C)		
Series 2021-A, Class A	13,622,415	13,597,501
0.840%, 05/15/2069 (C)		
Navient Student Loan Trust		
Series 2020-2A, Class A1A	8,356,721	8,284,077
1.320%, 08/26/2069 (C)		
Neighborly Issuer LLC		
Series 2021-1A, Class A2	13,142,000	13,516,153
3.584%, 04/30/2051 (C)		
Neuberger Berman CLO XX, Ltd.		
Series 2015-20A, Class ARR (3 month LIBOR + 1.160%)	2,972,000	2,974,425
1.327%, 07/15/2034 (C)(F)		
Series 2015-20A, Class BRR (3 month LIBOR + 1.650%)	2,978,000	2,979,811
1.818%, 07/15/2034 (C)(F)		
NRZ Excess Spread-Collateralized Notes		
Series 2020-PLS1, Class A	3,079,092	3,108,096
3.844%, 12/25/2025 (C)		
Oaktree CLO, Ltd.		
Series 2021-1A, Class A1 (3 month LIBOR + 1.160%)	11,169,000	11,191,494
1.000%, 07/15/2034 (C)(F)		
Oxford Finance Funding LLC		
Series 2020-1A, Class A2	9,574,000	9,854,470
3.101%, 02/15/2028 (C)		
PFS Financing Corp.		
Series 2018-F, Class A	7,260,000	7,329,165
3.520%, 10/15/2023 (C)		

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
PFS Financing Corp. (continued)		
Series 2019-C, Class A	\$ 4,070,000	\$ 4,161,630
2.230%, 10/15/2024 (C)		
Series 2020-E, Class A	6,863,000	6,929,876
1.000%, 10/15/2025 (C)		
Progress Residential Trust		
Series 2020-SFR1, Class A	7,750,000	7,864,695
1.732%, 04/17/2037 (C)		
Series 2020-SFR2, Class A	3,574,000	3,650,567
2.078%, 06/17/2037 (C)		
Series 2021-SFR1, Class A	8,859,000	8,691,828
1.052%, 04/17/2038 (C)		
Series 2021-SFR2, Class A	19,375,000	19,429,653
1.546%, 04/19/2038 (C)		
Series 2021-SFR4, Class A	9,085,124	9,110,354
1.558%, 05/17/2038 (C)		
Series 2021-SFR5, Class A	13,757,000	13,659,712
1.427%, 07/17/2038 (C)		
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A	13,489,000	14,213,420
2.510%, 01/26/2032 (C)		
SCF Equipment Leasing LLC		
Series 2019-2A, Class C	12,112,000	12,672,079
3.110%, 06/21/2027 (C)		
Series 2020-1A, Class A3	15,910,000	15,992,349
1.190%, 10/20/2027 (C)		
Series 2021-1A, Class B	6,799,000	6,756,654
1.370%, 08/20/2029 (C)		
ServiceMaster Funding LLC		
Series 2020-1, Class A2II	14,011,883	14,711,916
3.337%, 01/30/2051 (C)		
SERVPRO Master Issuer LLC		
Series 2021-1A, Class A2	7,239,000	7,304,441
2.394%, 04/25/2051 (C)		
Sesac Finance LLC		
Series 2019-1, Class A2	10,267,125	10,954,817
5.216%, 07/25/2049 (C)		
Sierra Timeshare Receivables Funding LLC		
Series 2018-3A, Class A	2,351,547	2,455,396
3.690%, 09/20/2035 (C)		
Series 2021-1A, Class A	10,154,604	10,120,153
0.990%, 11/20/2037 (C)		
SMB Private Education Loan Trust		
Series 2015-C, Class A2A	1,384,963	1,399,129
2.750%, 07/15/2027 (C)		
Series 2016-A, Class A2A	8,721,044	8,940,373
2.700%, 05/15/2031 (C)		
Series 2019-B, Class A2A	10,839,533	11,303,989
2.840%, 06/15/2037 (C)		
Series 2020-PTA, Class A2A	5,003,000	5,051,470
1.600%, 09/15/2054 (C)		
Series 2021-A, Class APT2	6,682,756	6,582,206
1.070%, 01/15/2053 (C)		
Sofi Professional Loan Program LLC		
Series 2019-B, Class A2FX	2,718,584	2,785,862
3.090%, 08/17/2048 (C)		
Sonic Capital LLC		
Series 2020-1A, Class A2I	8,677,959	9,162,970
3.845%, 01/20/2050 (C)		
Series 2020-1A, Class A2II	6,978,571	7,453,393
4.336%, 01/20/2050 (C)		
Sunbird Engine Finance LLC		
Series 2020-1A, Class A	4,061,307	3,938,266
3.671%, 02/15/2045 (C)		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Taco Bell Funding LLC		
Series 2018-1A, Class A21 4.318%, 11/25/2048 (C)	\$ 10,228,725	\$ 10,250,615
Tallman Park CLO, Ltd.		
Series 2021-1A, Class A (3 month LIBOR + 1.060%) 1.000%, 04/20/2034 (C)(F)	9,242,000	9,245,299
Tesla Auto Lease Trust		
Series 2020-A, Class A3 0.680%, 12/20/2023 (C)	7,103,000	7,133,755
Series 2020-A, Class A4 0.780%, 12/20/2023 (C)	4,974,000	5,006,060
TIF Funding II LLC		
Series 2020-1A, Class A 2.090%, 08/20/2045 (C)	15,572,813	15,662,677
Series 2021-1A, Class A 1.650%, 02/20/2046 (C)	6,699,445	6,594,950
Towd Point Mortgage Trust		
Series 2015-1, Class A5 3.399%, 10/25/2053 (C)(E)	2,759,000	2,906,447
Series 2017-1, Class A1 2.750%, 10/25/2056 (C)(E)	2,342,149	2,377,991
Series 2017-2, Class A1 2.750%, 04/25/2057 (C)(E)	1,395,347	1,414,784
Series 2018-3, Class A1 3.750%, 05/25/2058 (C)(E)	3,051,353	3,216,295
Series 2018-4, Class A1 3.000%, 06/25/2058 (C)(E)	7,367,544	7,658,850
Series 2018-6, Class A1A 3.750%, 03/25/2058 (C)(E)	738,325	762,596
Series 2019-4, Class A1 2.900%, 10/25/2059 (C)(E)	6,192,073	6,403,489
Series 2020-4, Class A1 1.750%, 10/25/2060 (C)	7,672,282	7,757,591
Toyota Auto Loan Extended Note Trust		
Series 2019-1A, Class A 2.560%, 11/25/2031 (C)	22,220,000	23,429,990
Series 2020-1A, Class A 1.350%, 05/25/2033 (C)	7,231,000	7,351,134
Toyota Auto Receivables Owner Trust		
Series 2020-C, Class A3 0.440%, 10/15/2024	5,106,000	5,118,566
Series 2020-C, Class A4 0.570%, 10/15/2025	3,854,000	3,849,832
Tricon American Homes Trust		
Series 2020-SFR1, Class A 1.499%, 07/17/2038 (C)	20,189,698	20,164,616
Series 2020-SFR2, Class A 1.482%, 11/17/2039 (C)	17,098,196	16,878,260
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (C)	15,871,310	15,955,898
Series 2021-1A, Class A 1.860%, 03/20/2046 (C)	9,325,530	9,266,059
Vantage Data Centers LLC		
Series 2019-1A, Class A2 3.188%, 07/15/2044 (C)	9,339,155	9,663,958
Series 2020-1A, Class A2 1.645%, 09/15/2045 (C)	8,834,000	8,857,468
Series 2020-2A, Class A2 1.992%, 09/15/2045 (C)	6,853,000	6,813,378
Verizon Owner Trust		
Series 2020-B, Class A 0.470%, 02/20/2025	15,609,000	15,652,220
Series 2020-C, Class C 0.770%, 04/21/2025	9,422,000	9,424,216

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
VR Funding LLC		
Series 2020-1A, Class A 2.790%, 11/15/2050 (C)	\$ 10,977,472	\$ 10,773,737
VSE VOI Mortgage LLC		
Series 2017-A, Class A 2.330%, 03/20/2035 (C)	3,713,402	3,795,500
Wendy's Funding LLC		
Series 2021-1A, Class A21 2.370%, 06/15/2051 (C)	6,698,000	6,756,206
Westgate Resorts LLC		
Series 2020-1A, Class A 2.713%, 03/20/2034 (C)	5,123,902	5,232,112
Willis Engine Structured Trust V		
Series 2020-A, Class A 3.228%, 03/15/2045 (C)	3,436,346	3,443,334
Wingstop Funding LLC		
Series 2020-1A, Class A2 2.841%, 12/05/2050 (C)	15,182,948	15,746,387
World Omni Auto Receivables Trust		
Series 2021-B, Class A4 0.690%, 06/15/2027	15,979,000	15,933,065
Zaxby's Funding LLC		
Series 2021-1A, Class A2 3.238%, 07/30/2051 (C)	9,498,000	9,616,533
TOTAL ASSET BACKED SECURITIES (Cost \$1,296,294,324)		\$ 1,311,986,683
COMMON STOCKS – 0.0%		
Utilities – 0.0%		
Dominion Energy, Inc.	12,915	1,254,418
TOTAL COMMON STOCKS (Cost \$1,291,497)		\$ 1,254,418
PREFERRED SECURITIES – 0.1%		
Utilities – 0.1%		
DTE Energy Company, 6.250%	15,402	761,321
NextEra Energy, Inc., 5.279%	120,650	5,907,024
The Southern Company, 6.750%	19,330	978,678
TOTAL PREFERRED SECURITIES (Cost \$7,618,288)		\$ 7,647,023
SHORT-TERM INVESTMENTS – 4.7%		
Short-term funds – 0.2%		
John Hancock Collateral Trust, 0.0324% (G)(H)	1,341,364	13,419,808
Repurchase agreement – 4.5%		
Repurchase Agreement with State Street Corp. dated 6-30-21 at 0.000% to be repurchased at \$366,701,000 on 7-1-21, collateralized by \$160,194,700 U.S. Treasury Inflation Indexed Notes, 0.375% due 1-15-27 (valued at \$195,979,514), \$167,711,400 U.S. Treasury Notes, 0.375% - 2.375% due 11-30-25 to 5-15-27 (valued at 178,055,530)	\$ 366,701,000	366,701,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$380,121,269)		\$ 380,120,808
Total Investments (Select Bond Trust) (Cost \$8,104,541,086) – 103.4%		
Other assets and liabilities, net – (3.4%)		
		\$ 8,313,673,782
		(270,683,744)
		\$ 8,042,990,038

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.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

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 6-30-21.
(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 \$2,315,349,469 or 28.8% of the fund's net assets as of 6-30-21.
(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 6-30-21.
(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 – 92.9%		
U.S. Government – 29.8%		
U.S. Treasury Inflation Protected Securities		
0.625%, 04/15/2023	\$ 1,397,292	\$ 1,478,046
U.S. Treasury Notes		
0.125%, 05/15/2023	3,000,000	2,994,375
0.250%, 04/15/2023	9,000,000	9,004,922
1.375%, 02/15/2023	1,770,000	1,804,017
1.500%, 09/15/2022	4,000,000	4,065,781
1.875%, 07/31/2022	4,610,000	4,697,878
2.000%, 05/31/2024	4,500,000	4,702,676
2.125%, 03/31/2024	2,700,000	2,826,773
2.625%, 06/30/2023	5,485,000	5,743,823
2.750%, 07/31/2023	3,215,000	3,381,025
2.875%, 11/30/2023	13,345,000	14,161,338
		54,860,654
U.S. Government Agency – 63.1%		
Federal Farm Credit Bank		
0.500%, 12/23/2025 to 02/04/2026	10,000,000	9,792,384
0.680%, 01/13/2027	6,000,000	5,864,806
1.980%, 06/02/2031	1,000,000	998,095
Federal Home Loan Bank		
0.625%, 11/27/2024	2,000,000	1,991,194
0.650%, 02/26/2026	6,000,000	5,939,126
0.700%, 01/28/2026	7,000,000	6,958,204
0.900%, 02/26/2027	2,000,000	1,981,389
1.000%, 03/23/2026	1,950,000	1,949,514
1.375%, 02/17/2023	8,000,000	8,153,903
1.500%, 08/15/2024	2,770,000	2,857,897
2.875%, 09/13/2024	5,500,000	5,908,573
Federal Home Loan Mortgage Corp.		
0.250%, 09/08/2023	2,000,000	1,998,277
0.375%, 09/23/2025	3,060,000	3,012,104
0.640%, 11/24/2025	2,000,000	1,985,590
0.650%, 10/22/2025	2,000,000	1,983,706

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan Mortgage Corp. (continued)		
0.700%, 12/23/2025	\$ 2,000,000	\$ 1,982,784
0.800%, 10/27/2026	2,000,000	1,976,896
1.500%, 02/12/2025	6,000,000	6,190,374
2.049%, (12 month LIBOR + 1.619%), 05/01/2045 (A)	513,192	537,806
2.500%, 09/01/2034	2,450,559	2,562,498
3.000%, 07/01/2030 to 12/01/2032	3,144,347	3,317,372
3.500%, 04/01/2032	1,313,302	1,410,243
7.000%, 04/01/2031 to 04/01/2032	448	520
Federal National Mortgage Association		
0.375%, 08/25/2025	5,000,000	4,925,933
0.625%, 04/22/2025	4,000,000	3,995,063
0.650%, 12/17/2025	2,000,000	1,986,940
2.500%, 10/01/2027 to 09/01/2034	3,187,950	3,332,497
2.875%, 09/12/2023	7,005,000	7,404,276
3.000%, 03/01/2028 to 09/01/2034	8,524,395	9,009,799
3.500%, 07/01/2031 to 06/01/2034	5,158,600	5,542,840
6.500%, 01/01/2039	346,584	411,534
7.000%, 12/01/2026 to 01/01/2029	1,037	1,176
8.000%, 10/01/2024 to 09/01/2030	869	1,012
Government National Mortgage Association		
7.500%, 01/15/2027 to 03/15/2027	194	214
		115,964,539
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$168,988,326)		
	\$	170,825,193
MUNICIPAL BONDS – 4.6%		
City of Houston (Texas)		
2.110%, 03/01/2025	1,000,000	1,041,240
3.628%, 05/15/2024	1,000,000	1,086,919
City of New York		
1.990%, 10/01/2026	1,000,000	1,040,863
3.250%, 03/01/2024	1,000,000	1,070,382
County of Orange (Florida)		
2.280%, 01/01/2026	1,000,000	1,029,570
Los Angeles Unified School District (California)		
1.540%, 09/15/2025	1,000,000	1,019,873
New York State Urban Development Corp.		
3.080%, 03/15/2024	1,000,000	1,065,203
State of California		
2.375%, 10/01/2026	1,000,000	1,060,917
		8,414,967
TOTAL MUNICIPAL BONDS (Cost \$8,140,098)		
	\$	8,414,967
COLLATERALIZED MORTGAGE OBLIGATIONS – 1.3%		
U.S. Government Agency – 1.3%		
Federal Home Loan Mortgage Corp.		
Series K017, Class X1 IO, 1.431%, 12/25/2021	20,219,716	7,910
Series K018, Class X1 IO, 1.367%, 01/25/2022	3,498,179	7,859
Series K022, Class X1 IO, 1.296%, 07/25/2022	10,456,835	82,634
Series K026, Class X1 IO, 1.069%, 11/25/2022	5,091,537	56,773
Series K030, Class X1 IO, 0.385%, 04/25/2023	128,059,572	319,854
Series K038, Class X1 IO, 1.262%, 03/25/2024	7,723,859	194,326

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series K718, Class X1 IO, 0.680%, 01/25/2022	\$ 16,765,481	\$ 15,220
Government National		
Mortgage Association		
Series 2012-114, Class IO, 0.672%, 01/16/2053	1,544,939	36,285
Series 2017-109, Class IO, 0.506%, 04/16/2057	1,939,935	69,682
Series 2017-124, Class IO, 0.674%, 01/16/2059	1,854,059	89,640
Series 2017-140, Class IO, 0.547%, 02/16/2059	724,852	31,988
Series 2017-20, Class IO, 0.699%, 12/16/2058	3,222,462	142,983
Series 2017-41, Class IO, 0.683%, 07/16/2058	2,292,601	104,459
Series 2017-46, Class IO, 0.640%, 11/16/2057	2,004,009	93,632
Series 2017-61, Class IO, 0.735%, 05/16/2059	1,273,851	66,717
Series 2017-74, Class IO, 0.569%, 09/16/2058	1,928,599	73,730
Series 2017-89, Class IO, 0.644%, 07/16/2059	2,082,250	112,502
Series 2018-9, Class IO, 0.510%, 01/16/2060	2,069,269	98,995
Series 2020-118, Class IO, 0.974%, 06/16/2062	1,727,975	144,517
Series 2020-119, Class IO, 0.799%, 08/16/2062	1,023,937	76,466
Series 2020-120, Class IO, 0.851%, 05/16/2062	2,277,370	181,774
Series 2020-137, Class IO, 0.843%, 09/16/2062	1,623,791	123,802
Series 2020-170, Class IO, 0.887%, 11/16/2062	1,882,518	154,834
Series 2021-40, Class IO, 0.843%, 02/16/2063	532,655	42,510
		2,329,092
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$2,984,521)	\$	2,329,092
SHORT-TERM INVESTMENTS – 0.9%		
Repurchase agreement – 0.9%		
Repurchase Agreement with State Street Corp. dated 6-30-21 at 0.000% to be repurchased at \$1,666,000 on 7-1-21, collateralized by \$1,730,300		
U.S. Treasury Notes, 0.375% due 11-30-25 (valued at \$1,699,403)	1,666,000	1,666,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,666,000)	\$	1,666,000
Total Investments (Short Term Government Income Trust) (Cost \$181,778,945) – 99.7%	\$	183,235,252
Other assets and liabilities, net – 0.3%		622,640
TOTAL NET ASSETS – 100.0%	\$	183,857,892

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

Short Term Government Income Trust (continued)

(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 – 4.8%		
U.S. Government – 4.8%		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 1,800,000	\$ 1,768,359
2.750%, 11/15/2042	995,000	1,120,424
3.000%, 02/15/2049	6,200,000	7,422,771
4.375%, 02/15/2038	3,920,000	5,395,972
U.S. Treasury Inflation Protected Security		
0.125%, 01/15/2030	2,282,918	2,505,829
U.S. Treasury Notes		
0.250%, 06/30/2025	100,000	98,227
0.375%, 11/30/2025	900,000	883,793
2.000%, 11/15/2026	1,390,000	1,466,884
2.375%, 02/29/2024 to 04/30/2026	335,000	356,259
2.625%, 02/15/2029	935,000	1,025,286
		22,043,804
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$20,013,749)	\$	22,043,804
FOREIGN GOVERNMENT OBLIGATIONS – 19.8%		
Australia – 0.9%		
Commonwealth of Australia		
0.250%, 11/21/2024	AUD 2,210,000	1,649,000
0.500%, 09/21/2026	775,000	572,064
2.250%, 11/21/2022	415,000	320,929
New South Wales Treasury Corp.		
1.000%, 02/08/2024	2,100,000	1,602,844
		4,144,837
Austria – 0.3%		
Republic of Austria		
0.500%, 02/20/2029 (A)	EUR 1,105,000	1,379,373
Brazil – 1.0%		
Federative Republic of Brazil		
10.000%, 01/01/2023 to 01/01/2025	BRL 20,880,000	4,400,435
Canada – 3.0%		
Canada Housing Trust No. 1		
1.250%, 06/15/2026 (A)	CAD 1,425,000	1,150,725
1.950%, 12/15/2025 (A)	1,675,000	1,399,306
Government of Canada		
1.500%, 09/01/2024	885,000	731,881
Province of Ontario		
1.350%, 12/02/2030	8,165,000	6,232,235
2.900%, 06/02/2028	1,185,000	1,035,393
3.450%, 06/02/2045	1,060,000	988,196
Province of Quebec		
0.200%, 04/07/2025	EUR 875,000	1,058,199
1.500%, 12/15/2023	GBP 497,000	706,854
3.000%, 09/01/2023	CAD 650,000	551,498
		13,854,287
China – 0.9%		
People's Republic of China		
1.990%, 04/09/2025	CNY 12,420,000	1,859,338
2.880%, 11/05/2023	14,670,000	2,278,083
		4,137,421
Colombia – 0.9%		
Republic of Colombia		
3.250%, 04/22/2032	\$ 955,000	935,384
6.250%, 11/26/2025	COP 3,780,000,000	1,021,238

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Colombia (continued)			
Republic of Colombia (continued)			
7.500%, 08/26/2026	COP	3,905,000,000	\$ 1,101,625
10.000%, 07/24/2024		3,354,500,000	1,018,678
			4,076,925
Greece – 0.8%			
Republic of Greece			
1.500%, 06/18/2030 (A)	EUR	1,020,000	1,293,257
2.000%, 04/22/2027 (A)		779,000	1,019,169
4.200%, 01/30/2042		685,000	1,255,393
			3,567,819
India – 0.1%			
Republic of India			
6.450%, 10/07/2029	INR	33,000,000	446,094
7.270%, 04/08/2026		15,300,000	216,934
			663,028
Indonesia – 2.8%			
Perusahaan Penerbit SBSN Indonesia III			
4.150%, 03/29/2027 (A)	\$	940,000	1,053,505
Republic of Indonesia			
1.100%, 03/12/2033	EUR	261,000	302,010
2.150%, 07/18/2024 (A)		740,000	928,463
2.625%, 06/14/2023 (A)		850,000	1,057,241
3.850%, 10/15/2030	\$	405,000	450,780
6.125%, 05/15/2028	IDR	4,075,000,000	280,718
6.500%, 06/15/2025		27,798,000,000	2,009,743
6.625%, 05/15/2033		6,431,000,000	441,097
7.000%, 09/15/2030		23,300,000,000	1,659,362
7.500%, 08/15/2032 to 05/15/2038		11,864,000,000	842,824
8.125%, 05/15/2024		3,514,000,000	264,318
8.250%, 05/15/2029		4,891,000,000	375,602
8.375%, 03/15/2024 to 09/15/2026		17,952,000,000	1,379,207
8.750%, 05/15/2031		17,423,000,000	1,383,728
9.000%, 03/15/2029		6,709,000,000	535,483
			12,964,081
Ireland – 0.3%			
Republic of Ireland			
3.400%, 03/18/2024	EUR	1,047,000	1,374,961
Italy – 0.6%			
Republic of Italy			
1.250%, 02/17/2026	\$	742,000	731,756
1.850%, 07/01/2025 (A)	EUR	1,710,000	2,179,459
			2,911,215
Japan – 0.9%			
Government of Japan			
0.100%, 06/20/2025	JPY	447,900,000	4,068,272
Malaysia – 1.3%			
Government of Malaysia			
3.733%, 06/15/2028	MYR	1,930,000	485,449
3.828%, 07/05/2034		1,965,000	471,305
3.844%, 04/15/2033		4,313,000	1,055,071
3.882%, 03/14/2025		2,835,000	715,801
3.899%, 11/16/2027		3,370,000	856,185
4.059%, 09/30/2024		3,895,000	987,395
4.160%, 07/15/2021		5,233,000	1,261,574
			5,832,780
Mexico – 1.1%			
Government of Mexico			
5.750%, 03/05/2026	MXN	24,110,000	1,175,916
7.500%, 06/03/2027		44,140,000	2,307,707
7.750%, 05/29/2031		32,570,000	1,724,638
			5,208,261

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
New Zealand – 0.1%			
Dominion of New Zealand			
5.500%, 04/15/2023	NZD	460,000	\$ 350,040
Norway – 0.8%			
Kingdom of Norway			
2.000%, 05/24/2023 (A)	NOK	30,260,000	3,603,678
Philippines – 0.6%			
Republic of the Philippines			
0.875%, 05/17/2027	EUR	1,465,000	1,766,963
6.250%, 01/14/2036	PHP	43,000,000	1,051,618
			2,818,581
Portugal – 1.2%			
Republic of Portugal			
0.475%, 10/18/2030 (A)	EUR	2,270,000	2,741,770
0.700%, 10/15/2027 (A)		435,000	542,228
5.125%, 10/15/2024 (A)	\$	1,905,000	2,161,985
			5,445,983
Qatar – 0.3%			
State of Qatar			
4.000%, 03/14/2029 (A)		475,000	546,611
4.817%, 03/14/2049 (A)		710,000	913,238
			1,459,849
Singapore – 0.4%			
Republic of Singapore			
1.750%, 04/01/2022	SGD	1,485,000	1,115,931
2.375%, 06/01/2025		650,000	513,842
			1,629,773
Spain – 0.5%			
Kingdom of Spain			
0.250%, 07/30/2024 (A)	EUR	875,000	1,058,981
0.800%, 07/30/2027 (A)		865,000	1,078,623
			2,137,604
Sweden – 0.3%			
Kingdom of Sweden			
0.125%, 04/24/2023 (A)		955,000	1,146,148
United Arab Emirates – 0.5%			
Government of Abu Dhabi			
1.700%, 03/02/2031 (A)	\$	925,000	892,440
3.125%, 04/16/2030 (A)		730,000	793,240
3.875%, 04/16/2050 (A)		475,000	546,844
			2,232,524
United Kingdom – 0.2%			
Government of United Kingdom			
0.500%, 07/22/2022	GBP	585,000	813,242
3.750%, 09/07/2021		215,000	299,404
			1,112,646
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$89,825,550)			\$ 90,520,521
CORPORATE BONDS – 58.5%			
Communication services – 8.5%			
Altice France SA			
7.375%, 05/01/2026 (A)	\$	235,000	244,384
ANGI Group LLC			
3.875%, 08/15/2028 (A)		660,000	655,875
Cable One, Inc.			
4.000%, 11/15/2030 (A)		460,000	461,725
CCO Holdings LLC			
4.250%, 02/01/2031 (A)		165,000	168,094
4.500%, 08/15/2030 to 06/01/2033 (A)		1,245,000	1,287,155
4.750%, 03/01/2030 (A)		1,030,000	1,089,225
5.125%, 05/01/2027 (A)		1,245,000	1,305,881

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
CORPORATE BONDS (continued)			
Communication services (continued)			
Cellnex Telecom SA			
1.875%, 06/26/2029	EUR	500,000	\$ 604,348
Charter Communications Operating LLC			
2.800%, 04/01/2031	\$	230,000	235,132
5.125%, 07/01/2049		1,395,000	1,661,306
5.750%, 04/01/2048		790,000	1,005,465
DISH DBS Corp.			
5.875%, 07/15/2022		1,260,000	1,314,432
GCI LLC			
4.750%, 10/15/2028 (A)		400,000	409,400
Kenbourne Invest SA			
4.700%, 01/22/2028 (A)		450,000	452,250
LCPR Senior Secured Financing DAC			
5.125%, 07/15/2029 (A)		785,000	811,494
6.750%, 10/15/2027 (A)		1,395,000	1,503,392
Level 3 Financing, Inc.			
4.625%, 09/15/2027 (A)		165,000	171,257
Lions Gate Capital Holdings LLC			
5.500%, 04/15/2029 (A)		985,000	1,035,481
Match Group Holdings II LLC			
4.125%, 08/01/2030 (A)		705,000	717,338
Millicom International Cellular SA			
4.500%, 04/27/2031 (A)(B)		530,000	548,550
Netflix, Inc.			
3.625%, 06/15/2025 (A)		1,920,000	2,061,773
4.375%, 11/15/2026		655,000	744,879
4.875%, 04/15/2028		285,000	331,313
5.375%, 11/15/2029 (A)		1,110,000	1,348,202
News Corp.			
3.875%, 05/15/2029 (A)		1,685,000	1,701,850
Radiate Holdco LLC			
4.500%, 09/15/2026 (A)		1,155,000	1,195,425
6.500%, 09/15/2028 (A)		471,000	494,856
Sirius XM Radio, Inc.			
4.125%, 07/01/2030 (A)		100,000	100,888
Sprint Capital Corp.			
8.750%, 03/15/2032		925,000	1,406,000
Sprint Corp.			
7.125%, 06/15/2024		165,000	190,369
T-Mobile USA, Inc.			
2.625%, 04/15/2026 to 02/15/2029		670,000	669,851
2.875%, 02/15/2031		400,000	397,000
3.375%, 04/15/2029		470,000	485,037
3.500%, 04/15/2031		785,000	812,122
4.500%, 02/01/2026		605,000	616,568
4.750%, 02/01/2028		165,000	176,756
Total Play Telecomunicaciones SA de CV			
7.500%, 11/12/2025 (A)		895,000	946,910
Townsquare Media, Inc.			
6.875%, 02/01/2026 (A)		385,000	411,950
TripAdvisor, Inc.			
7.000%, 07/15/2025 (A)		795,000	855,420
Virgin Media Finance PLC			
5.000%, 07/15/2030 (A)		720,000	727,409
Virgin Media Secured Finance PLC			
4.500%, 08/15/2030 (A)		670,000	675,025
5.500%, 05/15/2029 (A)		1,161,000	1,248,075
VMED O2 UK Financing I PLC			
3.250%, 01/31/2031 (A)	EUR	735,000	873,468
4.250%, 01/31/2031 (A)	\$	1,675,000	1,645,625
VTR Comunicaciones SpA			
4.375%, 04/15/2029 (A)		315,000	314,969
5.125%, 01/15/2028 (A)		467,000	487,371

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
CORPORATE BONDS (continued)			
Communication services (continued)			
VTR Finance NV			
6.375%, 07/15/2028 (A)	\$	510,000	\$ 540,600
WGM Acquisition Corp.			
3.000%, 02/15/2031 (A)		1,910,000	1,809,649
			38,951,544
Consumer discretionary – 6.1%			
Aramark Services, Inc.			
6.375%, 05/01/2025 (A)		160,000	170,000
BMW Finance NV			
1.000%, 11/14/2024	EUR	410,000	504,976
Boyd Gaming Corp.			
4.750%, 06/15/2031 (A)	\$	810,000	840,375
Carnival Corp.			
5.750%, 03/01/2027 (A)		1,165,000	1,220,338
Carvana Company			
5.875%, 10/01/2028 (A)		1,190,000	1,252,118
Ford Motor Company			
7.450%, 07/16/2031		165,000	216,975
8.500%, 04/21/2023		910,000	1,015,515
Ford Motor Credit Company LLC			
2.748%, 06/14/2024	GBP	316,000	443,107
2.900%, 02/16/2028	\$	360,000	358,294
2.979%, 08/03/2022		415,000	420,706
3.087%, 01/09/2023		280,000	285,600
3.350%, 11/01/2022		485,000	497,077
3.370%, 11/17/2023		580,000	601,276
3.625%, 06/17/2031		1,220,000	1,243,644
3.813%, 10/12/2021		310,000	312,325
4.000%, 11/13/2030		255,000	267,113
4.125%, 08/17/2027		205,000	217,459
4.250%, 09/20/2022		200,000	206,514
4.542%, 08/01/2026		445,000	483,938
Hilton Domestic Operating Company, Inc.			
3.625%, 02/15/2032 (A)		485,000	478,938
4.875%, 01/15/2030		290,000	309,575
Hilton Grand Vacations Borrower Escrow LLC			
5.000%, 06/01/2029 (A)		585,000	598,163
Hyatt Hotels Corp.			
5.750%, 04/23/2030		744,000	903,127
MercadoLibre, Inc.			
2.375%, 01/14/2026		565,000	568,678
3.125%, 01/14/2031 (B)		450,000	441,018
MGM Resorts International			
4.750%, 10/15/2028		105,000	111,563
New Red Finance, Inc.			
3.500%, 02/15/2029 (A)		699,000	690,263
3.875%, 01/15/2028 (A)		1,013,000	1,025,663
4.000%, 10/15/2030 (A)		2,124,000	2,054,970
4.250%, 05/15/2024 (A)		759,000	767,349
Newell Brands, Inc.			
4.700%, 04/01/2026		160,000	178,419
Royal Caribbean Cruises, Ltd.			
4.250%, 07/01/2026 (A)		690,000	689,138
5.500%, 04/01/2028 (A)		1,235,000	1,293,416
Travel + Leisure Company			
6.625%, 07/31/2026 (A)		1,230,000	1,393,590
Wyndham Hotels & Resorts, Inc.			
4.375%, 08/15/2028 (A)		660,000	685,219
Yum! Brands, Inc.			
3.625%, 03/15/2031		1,795,000	1,786,025
4.625%, 01/31/2032		875,000	918,750
4.750%, 01/15/2030 (A)		2,173,000	2,352,294
			27,803,508

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples – 3.5%		
Albertsons Companies, Inc. 4.875%, 02/15/2030 (A)	\$ 80,000	\$ 85,321
JBS Finance Luxembourg Sarl 3.625%, 01/15/2032 (A)	1,070,000	1,069,668
JBS USA Food Company 7.000%, 01/15/2026 (A)	960,000	1,017,600
Kraft Heinz Foods Company 3.000%, 06/01/2026	662,000	704,987
3.875%, 05/15/2027	370,000	406,546
4.250%, 03/01/2031	1,525,000	1,732,383
4.375%, 06/01/2046	280,000	317,296
4.625%, 10/01/2039	1,090,000	1,269,486
6.875%, 01/26/2039	1,220,000	1,752,420
7.125%, 08/01/2039 (A)	165,000	240,881
Lamb Weston Holdings, Inc. 4.875%, 05/15/2028 (A)	35,000	38,719
MARB BondCo PLC 3.950%, 01/29/2031 (A)	805,000	776,181
Natura Cosmetics SA 4.125%, 05/03/2028 (A)	830,000	850,750
NBM US Holdings, Inc. 7.000%, 05/14/2026 (A)	205,000	220,992
Oriflame Investment Holding PLC 5.125%, 05/04/2026 (A)	470,000	481,891
Post Holdings, Inc. 4.500%, 09/15/2031 (A)	1,450,000	1,447,608
5.500%, 12/15/2029 (A)	285,000	305,306
5.625%, 01/15/2028 (A)	1,255,000	1,330,300
5.750%, 03/01/2027 (A)	1,955,000	2,045,419
		16,093,754
Energy – 6.3%		
Aker BP ASA 2.875%, 01/15/2026 (A)	170,000	179,058
3.750%, 01/15/2030 (A)	985,000	1,062,899
Cenovus Energy, Inc. 3.500%, 02/07/2028	CAD 510,000	430,842
5.250%, 06/15/2037	\$ 194,000	232,266
5.400%, 06/15/2047	777,000	961,479
6.750%, 11/15/2039	2,136,000	2,899,284
Cheniere Energy Partners LP 4.000%, 03/01/2031 (A)	1,252,000	1,308,340
4.500%, 10/01/2029	390,000	419,250
Continental Resources, Inc. 5.750%, 01/15/2031 (A)	2,205,000	2,640,488
Enbridge, Inc. 3.125%, 11/15/2029	990,000	1,060,196
EQM Midstream Partners LP 4.750%, 01/15/2031 (A)	620,000	638,873
EQT Corp. 3.125%, 05/15/2026 (A)	190,000	194,695
3.625%, 05/15/2031 (A)	2,235,000	2,329,988
3.900%, 10/01/2027	325,000	348,156
Inversiones Latin America Power Ltda 5.125%, 06/15/2033 (A)	575,000	569,825
Kinder Morgan, Inc. 2.000%, 02/15/2031	290,000	278,778
Medco Oak Tree Pte, Ltd. 7.375%, 05/14/2026 (A)	625,000	682,813
Occidental Petroleum Corp. 3.200%, 08/15/2026	154,000	155,155
3.400%, 04/15/2026	238,000	243,355
6.125%, 01/01/2031	775,000	911,811
6.625%, 09/01/2030	746,000	895,200
7.500%, 05/01/2031	335,000	422,100

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Ovintiv, Inc. 6.500%, 08/15/2034 to 02/01/2038	\$ 885,000	\$ 1,170,044
Pertamina Persero PT 3.100%, 01/21/2030 (A)(B)	255,000	261,452
3.650%, 07/30/2029 (A)	295,000	314,515
Petrobras Global Finance BV 6.900%, 03/19/2049	1,110,000	1,323,398
Petrorio Luxembourg Sarl 6.125%, 06/09/2026 (A)	505,000	516,615
Qatar Petroleum 2.250%, 07/12/2031 (A)	380,000	375,961
3.300%, 07/12/2051 (A)	295,000	295,000
Saudi Arabian Oil Company 2.250%, 11/24/2030 (A)	400,000	392,548
3.500%, 04/16/2029 (A)	985,000	1,066,263
4.250%, 04/16/2039 (A)	740,000	827,748
4.375%, 04/16/2049 (A)	475,000	546,868
Southwestern Energy Company 6.450%, 01/23/2025	120,000	132,840
Targa Resources Partners LP 5.500%, 03/01/2030	100,000	109,966
The Williams Companies, Inc. 3.500%, 11/15/2030	80,000	87,315
TransCanada PipeLines, Ltd. 4.100%, 04/15/2030	1,310,000	1,505,386
Transcontinental Gas Pipe Line Company LLC 3.250%, 05/15/2030	80,000	86,555
Western Midstream Operating LP 5.300%, 02/01/2030	975,000	1,092,005
		28,969,330
Financials – 11.8%		
American International Group, Inc. (8.175% to 5-15-38, then 3 month LIBOR + 4.195%) 05/15/2058	1,700,000	2,458,121
Asian Development Bank 5.000%, 03/09/2022	AUD 940,000	728,748
Banco Actinver SA 4.800%, 12/18/2032 (A)	\$ 215,000	173,747
9.500%, 12/18/2032 (A)	MXN 12,100,000	412,762
Banco Santander SA (4.750% to 11-12-26, then 5 Year CMT + 3.753%) 11/12/2026 (C)	\$ 800,000	809,600
Berkshire Hathaway Finance Corp. 2.375%, 06/19/2039	GBP 610,000	904,585
Berkshire Hathaway, Inc., Zero Coupon 0.000%, 03/12/2025	EUR 975,000	1,158,679
BNG Bank NV 0.250%, 06/07/2024	395,000	478,075
BNP Paribas SA (4.500% to 2-25-30, then 5 Year CMT + 2.944%) 02/25/2030 (A)(C)	\$ 820,000	833,325
BNP Paribas SA (4.625% to 2-25-31, then 5 Year CMT + 3.340%) 02/25/2031 (A)(B)(C)	1,421,000	1,479,289
Capital One Financial Corp. 0.800%, 06/12/2024	EUR 155,000	187,798
Chubb INA Holdings, Inc. 0.300%, 12/15/2024	875,000	1,046,588
Citigroup, Inc. (Greater of 3 month EURIBOR + 0.500% or 0.000%) 0.191%, 03/21/2023 (D)	920,000	1,097,828
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	229,600

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
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	\$ 932,250
Credit Suisse Group AG (4.500% to 9-3-30, then 5 Year CMT + 3.554%) 09/03/2030 (A)(C)	760,000	754,224
Credit Suisse Group AG (5.100% to 1-24-30, then 5 Year CMT + 3.293%) 01/24/2030 (A)(C)	420,000	433,125
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (A)(C)	855,000	953,009
DB Insurance Company, Ltd. 3.512%, 05/25/2024	KRW 1,000,000,000	916,188
3.865%, 05/25/2027	1,000,000,000	936,208
Deutsche Bank AG (6.000% to 10-30-25, then 5 Year CMT + 4.524%) 10/30/2025 (C)	\$ 1,400,000	1,478,750
European Financial Stability Facility 1.875%, 05/23/2023	EUR 380,000	471,675
European Investment Bank 1.500%, 05/12/2022	NOK 9,790,000	1,146,795
1.750%, 03/13/2025	1,470,000	173,884
European Investment Bank (SONIA + 0.350%) 0.400%, 06/29/2023 (D)	GBP 550,000	764,467
First Horizon Bank 5.750%, 05/01/2030	\$ 484,000	596,755
Icahn Enterprises LP 5.250%, 05/15/2027	100,000	103,250
ING Groep NV (5.750% to 11-16-26, then 5 Year CMT + 4.342%) 11/16/2026 (C)	1,037,000	1,148,581
International Bank for Reconstruction & Development 1.900%, 01/16/2025	CAD 1,390,000	1,157,324
3.375%, 01/25/2022	NZD 1,327,000	943,006
4.625%, 10/06/2021	1,310,000	925,824
7.450%, 08/20/2021	IDR 6,855,000,000	472,995
International Finance Corp. 0.375%, 09/10/2025	NZD 1,240,000	831,739
Intesa Sanpaolo SpA 4.198%, 06/01/2032 (A)	\$ 740,000	758,322
Intesa Sanpaolo SpA (7.700% to 9-17-25, then 5 Year U.S. Swap Rate + 5.462%) 09/17/2025 (A)(C)	800,000	916,496
Lloyds Banking Group PLC (7.500% to 9-27-25, then 5 Year U.S. Swap Rate + 4.496%) 09/27/2025 (C)	1,040,000	1,216,800
Mexico Remittances Funding Fiduciary Estate Management Sarl 4.875%, 01/15/2028 (A)	630,000	620,103
MSCI, Inc. 3.625%, 09/01/2030 to 11/01/2031 (A)	2,374,000	2,430,361
3.875%, 02/15/2031 (A)	765,000	793,886
NatWest Group PLC (4.600% to 6-28-31, then 5 Year CMT + 3.100%) 06/28/2031 (C)	410,000	411,927
NatWest Group PLC (6.000% to 12-29-25, then 5 Year CMT + 5.625%) 12/29/2025 (C)	840,000	936,247
Nordea Eiendoms kreditt AS (3 month NIBOR + 0.300%) 0.500%, 06/21/2023 (D)	NOK 7,000,000	816,961

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Nordea Eiendoms kreditt AS (3 month NIBOR + 0.340%) 0.540%, 06/19/2024 (D)	NOK 12,000,000	\$ 1,402,944
Nordic Investment Bank 1.500%, 01/24/2022	1,000,000	116,879
1.875%, 04/10/2024	3,920,000	465,016
Popular, Inc. 6.125%, 09/14/2023	\$ 1,625,000	1,753,375
QNB Finance, Ltd. 3.500%, 03/28/2024	330,000	351,803
4.350%, 01/29/2022	CNY 1,860,000	290,026
Shinhan Financial Group Company, Ltd. (2.875% to 5-12-26, then 5 Year CMT + 2.064%) 05/12/2026 (A)(C)	\$ 880,000	874,614
Societe Generale SA (4.750% to 5-26-26, then 5 Year CMT + 3.931%) 05/26/2026 (A)(C)	360,000	373,050
Societe Generale SA (6.750% to 4-6-28, then 5 Year U.S. Swap Rate + 3.929%) 04/06/2028 (A)(C)	410,000	464,071
Societe Generale SA (8.000% to 9-29-25, then 5 Year ICE Swap Rate + 5.873%) 09/29/2025 (A)(C)	660,000	777,150
Swiss Insured Brazil Power Finance Sarl 9.850%, 07/16/2032 (A)	BRL 8,696,049	1,813,935
The Goldman Sachs Group, Inc. 1.375%, 05/15/2024	EUR 983,000	1,196,007
2.000%, 11/01/2028	208,000	272,170
3.375%, 03/27/2025	187,000	248,516
U.S. Bancorp 0.850%, 06/07/2024	2,560,000	3,118,846
UBS Group AG (3.875% to 6-2-26, then 5 Year CMT + 3.098%) 06/02/2026 (A)(C)	\$ 550,000	551,029
UBS Group AG (4.375% to 2-10-31, then 5 Year CMT + 3.313%) 02/10/2031 (A)(C)	875,000	893,988
UBS Group AG (5.125% to 7-29-26, then 5 Year CMT + 4.855%) 07/29/2026 (C)	466,000	506,775
UniCredit SpA (5.459% to 6-30-30, then 5 Year CMT + 4.750%) 06/30/2035 (A)	210,000	228,972
UniCredit SpA (8.000% to 6-3-24, then 5 Year U.S. Swap Rate + 5.180%) 06/03/2024 (C)	400,000	445,000
Wells Fargo & Company 3.250%, 04/27/2022	AUD 1,120,000	860,053
Wells Fargo & Company (3 month BBSW + 1.320%) 1.362%, 07/27/2021 (D)	935,000	701,783
		53,745,899
Health care – 5.0%		
Allergan Funding SCS 1.250%, 06/01/2024	EUR 520,000	619,107
2.625%, 11/15/2028	300,000	374,123
Bausch Health Companies, Inc. 5.000%, 01/30/2028 (A)	\$ 1,666,000	1,580,618
5.250%, 01/30/2030 to 02/15/2031 (A)	1,450,000	1,349,328
5.500%, 11/01/2025 (A)	395,000	405,270
6.250%, 02/15/2029 (A)	980,000	969,269
9.000%, 12/15/2025 (A)	510,000	546,873
Becton Dickinson Euro Finance Sarl 1.208%, 06/04/2026	EUR 745,000	923,593

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Centene Corp.		
2.500%, 03/01/2031	\$ 905,000	\$ 892,556
3.000%, 10/15/2030	1,795,000	1,843,968
3.375%, 02/15/2030	1,765,000	1,844,990
4.625%, 12/15/2029	260,000	285,940
DH Europe Finance II Sarl		
0.450%, 03/18/2028	EUR 1,630,000	1,946,863
HCA, Inc.		
3.500%, 09/01/2030	\$ 2,943,000	3,135,384
4.125%, 06/15/2029	1,375,000	1,548,355
5.375%, 02/01/2025	1,490,000	1,680,720
Jazz Securities DAC		
4.375%, 01/15/2029 (A)	210,000	217,728
Rede D'or Finance Sarl		
4.500%, 01/22/2030 (A)	700,000	717,500
Thermo Fisher Scientific, Inc.		
0.500%, 03/01/2028	EUR 650,000	778,712
0.750%, 09/12/2024	282,000	342,816
1.400%, 01/23/2026	468,000	587,227
		22,590,940
Industrials – 6.1%		
Adani Ports & Special Economic Zone, Ltd.		
3.100%, 02/02/2031 (A)	\$ 560,000	532,902
4.200%, 08/04/2027 (A)	370,000	385,458
AECOM		
5.125%, 03/15/2027	835,000	931,341
Airbus SE		
1.625%, 06/09/2030	EUR 255,000	328,626
American Airlines Group, Inc.		
5.000%, 06/01/2022 (A)	\$ 810,000	811,029
American Airlines, Inc.		
5.500%, 04/20/2026 (A)	970,000	1,026,988
5.750%, 04/20/2029 (A)	790,000	854,188
BOC Aviation, Ltd.		
2.750%, 09/18/2022 (A)	990,000	1,007,694
Builders FirstSource, Inc.		
6.750%, 06/01/2027 (A)	174,000	186,398
Cimpress PLC		
7.000%, 06/15/2026 (A)	975,000	1,027,816
CoStar Group, Inc.		
2.800%, 07/15/2030 (A)	555,000	563,803
DAE Funding LLC		
3.375%, 03/20/2028 (A)	640,000	654,131
Delta Air Lines 2020-1 Class A Pass Through Trust		
2.500%, 06/10/2028	491,206	498,413
Delta Air Lines, Inc.		
2.900%, 10/28/2024	540,000	549,405
4.500%, 10/20/2025 (A)	320,000	343,879
4.750%, 10/20/2028 (A)	2,762,000	3,070,675
7.000%, 05/01/2025 (A)	1,075,000	1,254,512
7.375%, 01/15/2026	165,000	193,600
GFL Environmental, Inc.		
4.750%, 06/15/2029 (A)	765,000	794,300
Hidrovias International Finance SARL		
4.950%, 02/08/2031 (A)	350,000	355,644
Indian Railway Finance Corp., Ltd.		
3.249%, 02/13/2030 (A)	645,000	653,325
Johnson Controls International PLC		
0.375%, 09/15/2027	EUR 240,000	285,066
Mileage Plus Holdings LLC		
6.500%, 06/20/2027 (A)	\$ 840,000	924,840
Movida Europe SA		
5.250%, 02/08/2031 (A)	235,000	237,174

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Prime Security Services Borrower LLC		
3.375%, 08/31/2027 (A)	\$ 105,000	\$ 101,850
Simpar Europe SA		
5.200%, 01/26/2031 (A)	315,000	323,351
Simpar Finance Sarl		
10.750%, 02/12/2028 (A)	BRL 3,000,000	552,779
Spirit AeroSystems, Inc.		
7.500%, 04/15/2025 (A)	\$ 165,000	176,138
The Boeing Company		
5.040%, 05/01/2027	1,035,000	1,194,212
5.150%, 05/01/2030	2,625,000	3,108,407
Uber Technologies, Inc.		
7.500%, 05/15/2025 (A)	160,000	172,672
8.000%, 11/01/2026 (A)	1,110,000	1,196,025
United Airlines 2020-1 Class A Pass Through Trust		
5.875%, 10/15/2027	1,189,563	1,322,794
United Rentals North America, Inc.		
3.875%, 02/15/2031	1,120,000	1,139,600
4.000%, 07/15/2030	660,000	679,800
4.875%, 01/15/2028	530,000	562,065
		28,000,900
Information technology – 1.7%		
Apple, Inc.		
0.875%, 05/24/2025	EUR 865,000	1,065,533
Atento Luxco 1 SA		
8.000%, 02/10/2026 (A)	\$ 486,000	528,802
Camelot Finance SA		
4.500%, 11/01/2026 (A)	385,000	402,806
CDW LLC		
4.250%, 04/01/2028	165,000	173,250
Dell International LLC		
8.350%, 07/15/2046	541,000	884,861
Fidelity National Information Services, Inc.		
1.000%, 12/03/2028	EUR 425,000	518,081
1.500%, 05/21/2027	820,000	1,030,937
Fiserv, Inc.		
1.125%, 07/01/2027	290,000	359,057
Gartner, Inc.		
3.750%, 10/01/2030 (A)	\$ 475,000	485,977
j2 Global, Inc.		
4.625%, 10/15/2030 (A)	340,000	352,002
SK Hynix, Inc.		
1.500%, 01/19/2026 (A)	485,000	478,414
Square, Inc.		
3.500%, 06/01/2031 (A)	315,000	317,756
Twilio, Inc.		
3.625%, 03/15/2029	465,000	474,300
3.875%, 03/15/2031	620,000	636,275
Xerox Holdings Corp.		
5.000%, 08/15/2025 (A)	120,000	126,674
		7,834,725
Materials – 6.0%		
ArcelorMittal SA		
4.550%, 03/11/2026	100,000	113,099
7.000%, 03/01/2041	485,000	673,637
7.250%, 10/15/2039	125,000	176,578
Ardagh Metal Packaging Finance USA LLC		
3.250%, 09/01/2028 (A)	960,000	957,219
4.000%, 09/01/2029 (A)	1,040,000	1,031,238
Ardagh Packaging Finance PLC		
4.125%, 08/15/2026 (A)	205,000	211,663

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Ball Corp.		
2.875%, 08/15/2030	\$ 520,000	\$ 510,442
4.000%, 11/15/2023	490,000	518,729
4.875%, 03/15/2026	1,035,000	1,152,741
5.250%, 07/01/2025	1,375,000	1,552,031
Berry Global, Inc.		
5.625%, 07/15/2027 (A)	590,000	623,978
Braskem Netherlands Finance BV		
4.500%, 01/10/2028 (A)	570,000	600,609
5.875%, 01/31/2050 (A)	585,000	640,581
Cemex SAB de CV		
3.875%, 07/11/2031 (A)	770,000	782,705
CF Industries, Inc.		
5.375%, 03/15/2044	125,000	154,900
Cleveland-Cliffs, Inc.		
4.625%, 03/01/2029 (A)	1,475,000	1,552,098
4.875%, 03/01/2031 (A)(B)	790,000	829,500
6.750%, 03/15/2026 (A)	375,000	404,531
Crown Americas LLC		
4.250%, 09/30/2026	100,000	107,250
4.500%, 01/15/2023	712,000	745,820
Crown Cork & Seal Company, Inc.		
7.375%, 12/15/2026	936,000	1,146,600
Ecolab, Inc.		
1.000%, 01/15/2024	EUR 330,000	401,454
FMG Resources August 2006 Pty, Ltd.		
4.375%, 04/01/2031 (A)	\$ 3,053,000	3,266,191
Freeport-McMoRan, Inc.		
4.125%, 03/01/2028	140,000	146,125
4.625%, 08/01/2030	985,000	1,078,575
5.450%, 03/15/2043	1,905,000	2,328,520
FS Luxembourg Sarl		
10.000%, 12/15/2025 (A)	630,000	704,819
Indonesia Asahan Aluminium Persero PT		
4.750%, 05/15/2025 (A)	1,090,000	1,201,649
NOVA Chemicals Corp.		
5.250%, 06/01/2027 (A)	100,000	107,780
Reynolds Group Issuer, Inc.		
4.000%, 10/15/2027 (A)	1,285,000	1,276,097
SCIH Salt Holdings, Inc.		
4.875%, 05/01/2028 (A)	945,000	944,887
St. Mary's Cement, Inc.		
5.750%, 01/28/2027 (A)	830,000	958,650
Standard Industries, Inc.		
3.375%, 01/15/2031 (A)	255,000	244,089
5.000%, 02/15/2027 (A)	90,000	93,206
		27,237,991
Real estate – 1.3%		
American Tower Corp.		
0.500%, 01/15/2028	EUR 270,000	317,215
1.950%, 05/22/2026	305,000	390,075
Crown Castle International Corp.		
2.250%, 01/15/2031	\$ 215,000	212,211
Host Hotels & Resorts LP		
3.375%, 12/15/2029	240,000	251,550
3.500%, 09/15/2030	240,000	251,849
MGM Growth Properties Operating Partnership LP		
4.625%, 06/15/2025 (A)	105,000	112,179
SBA Communications Corp.		
3.125%, 02/01/2029 (A)	955,000	920,683
3.875%, 02/15/2027	1,900,000	1,951,120
4.875%, 09/01/2024	87,000	88,523
VICI Properties LP		
4.125%, 08/15/2030 (A)	895,000	919,004

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
VICI Properties LP (continued)		
4.625%, 12/01/2029 (A)	\$ 385,000	\$ 409,063
		5,823,472
Utilities – 2.2%		
Adani Green Energy UP, Ltd.		
6.250%, 12/10/2024 (A)	460,000	508,990
Chile Electricity PEC SpA		
3.140%, 01/25/2028 (A)(E)	285,000	231,919
DPL, Inc.		
4.125%, 07/01/2025	1,330,000	1,426,425
E.ON SE		
0.375%, 09/29/2027	EUR 315,000	377,864
EDP Finance BV		
0.375%, 09/16/2026	130,000	155,650
Engie SA		
0.375%, 06/21/2027	300,000	360,952
FirstEnergy Corp.		
4.400%, 07/15/2027	\$ 890,000	967,875
7.375%, 11/15/2031	1,355,000	1,855,686
Greenko Dutch BV		
3.850%, 03/29/2026 (A)	615,000	629,145
Greenko Solar Mauritius, Ltd.		
5.550%, 01/29/2025 (A)	430,000	441,965
Israel Electric Corp., Ltd.		
6.875%, 06/21/2023 (A)	390,000	434,687
Perusahaan Perseroan Persero PT		
Perusahaan Listrik Negara		
4.125%, 05/15/2027 (A)	1,440,000	1,561,680
PG&E Corp.		
5.250%, 07/01/2030	730,000	736,935
The AES Corp.		
3.950%, 07/15/2030 (A)	160,000	174,960
		9,864,733
TOTAL CORPORATE BONDS (Cost		
\$257,588,737)		\$ 266,916,796
CONVERTIBLE BONDS – 3.1%		
Communication services – 0.8%		
Cellnex Telecom SA		
0.750%, 11/20/2031	EUR 600,000	695,087
DISH Network Corp.		
3.375%, 08/15/2026	\$ 430,000	438,815
Liberty Broadband Corp.		
1.250%, 09/30/2050 (A)	1,205,000	1,212,833
2.750%, 09/30/2050 (A)	815,000	855,684
Liberty Media Corp.		
0.500%, 12/01/2050 (A)	500,000	575,250
		3,777,669
Consumer discretionary – 0.5%		
Burlington Stores, Inc.		
2.250%, 04/15/2025	705,000	1,120,069
Etsy, Inc.		
0.250%, 06/15/2028 (A)	575,000	633,650
Sony Group Corp., Zero Coupon		
0.000%, 09/30/2022	JPY 29,000,000	568,018
		2,321,737
Energy – 0.2%		
BP Capital Markets PLC		
1.000%, 04/28/2023	GBP 800,000	1,138,246
Industrials – 1.4%		
Air Canada		
4.000%, 07/01/2025	\$ 500,000	774,200
American Airlines Group, Inc.		
6.500%, 07/01/2025	1,395,000	2,186,663

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
Industrials (continued)		
Southwest Airlines Company 1.250%, 05/01/2025	\$ 915,000	\$ 1,385,653
Uber Technologies, Inc., Zero Coupon 0.000%, 12/15/2025 (A)	1,965,000	1,992,510
		6,339,026
Information technology – 0.2%		
Sabre GBLB, Inc. 4.000%, 04/15/2025	415,000	755,300
TOTAL CONVERTIBLE BONDS (Cost \$12,979,341)		\$ 14,331,978
CAPITAL PREFERRED SECURITIES – 0.3%		
Financials – 0.3%		
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 08/02/2021 (C)(D)	1,321,000	1,307,790
TOTAL CAPITAL PREFERRED SECURITIES (Cost \$1,152,158)		\$ 1,307,790
TERM LOANS (F) – 3.0%		
Consumer discretionary – 1.0%		
Aramark Services, Inc., 2018 Term Loan B3 03/11/2025 TBD (G)	262,166	259,106
Carnival Corp., 2021 USD Term Loan B 06/30/2025 TBD (G)	300,000	299,700
Hilton Grand Vacations Borrower LLC, 2021 Term Loan B 05/19/2028 TBD (G)	420,000	420,130
KFC Holding Company, 2021 Term Loan B 03/15/2028 TBD (G)	655,000	654,764
Marriott Ownership Resorts, Inc., 2019 Term Loan B 08/29/2025 TBD (G)	780,000	767,325
New Red Finance, Inc., Term Loan B4 (1 month LIBOR + 1.750%) 1.854%, 11/19/2026	1,362,942	1,343,138
The Hertz Corp., 2021 Term Loan B 06/14/2028 TBD (G)	697,700	696,828
The Hertz Corp., 2021 Term Loan C 06/14/2028 TBD (G)	131,710	131,545
		4,572,536
Health care – 0.9%		
ICON Luxembourg Sarl, Term Loan B 06/16/2028 TBD (G)	2,401,140	2,404,526
Indigo Merger Sub, Inc., 1st Lien Term Loan B 06/16/2028 TBD (G)	266,880	267,256
Jazz Financing Lux Sarl, USD Term Loan (1 month LIBOR + 3.500%) 4.000%, 04/21/2028	440,000	441,236
Organon & Company, USD Term Loan (3 month LIBOR + 3.000%) 3.500%, 06/02/2028	525,000	525,331
Padagis LLC, Term Loan B 06/30/2028 TBD (G)	365,000	361,850
		4,000,199
Industrials – 0.4%		
AECOM, 2021 Term Loan B (1 month LIBOR + 1.750%) 1.854%, 04/13/2028	558,000	557,303

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Industrials (continued)		
Brown Group Holding LLC, Term Loan B (3 month LIBOR + 2.750%) 3.250%, 06/07/2028	\$ 567,000	\$ 563,882
United Airlines, Inc., 2021 Term Loan B 04/21/2028 TBD (G)	785,000	794,593
		1,915,778
Information technology – 0.5%		
Dell International LLC, 2021 Term Loan B 09/19/2025 TBD (G)	2,376,000	2,374,931
Materials – 0.2%		
SCIH Salt Holdings, Inc., 2021 Incremental Term Loan B (3 month LIBOR + 4.000%) 4.750%, 03/16/2027	570,000	570,952
TOTAL TERM LOANS (Cost \$13,440,187)		\$ 13,434,396
COLLATERALIZED MORTGAGE OBLIGATIONS – 0.6%		
Commercial and residential – 0.6%		
Arroyo Mortgage Trust Series 2019-1, Class A1 3.805%, 01/25/2049 (A)(H)	592,446	603,108
BX Commercial Mortgage Trust Series 2019-XL, Class A (1 month LIBOR + 0.920%) 0.993%, 10/15/2036 (A)(D)	1,548,004	1,550,026
CSMC Trust Series 2019-NQM1, Class A1 2.656%, 10/25/2059 (A)	317,336	322,134
HarborView Mortgage Loan Trust Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (A)	4,439,795	46,362
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	4,761,867	63,561
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (A)	4,474,521	63,415
Morgan Stanley Mortgage Loan Trust Series 2004-9, Class 1A 5.429%, 11/25/2034 (H)	95,014	103,116
		2,751,722
U.S. Government Agency – 0.0%		
Federal Home Loan Mortgage Corp. Series 2017-DNA3, Class M1 (1 month LIBOR + 0.750%) 0.842%, 03/25/2030 (D)	144,120	144,120
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$2,689,330)		\$ 2,895,842
ASSET BACKED SECURITIES – 1.5%		
Bravo Mortgage Asset Trust Series 2006-1A, Class A2 (1 month LIBOR + 0.240%) 0.332%, 07/25/2036 (A)(D)	85,185	85,158
DB Master Finance LLC Series 2017-1A, Class A2I 3.629%, 11/20/2047 (A)	503,100	509,278
Series 2019-1A, Class A2I 3.787%, 05/20/2049 (A)	884,250	895,719
Series 2019-1A, Class A2II 4.021%, 05/20/2049 (A)	476,513	502,878
Domino's Pizza Master Issuer LLC Series 2015-1A, Class A2II 4.474%, 10/25/2045 (A)	864,275	906,244

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
FirstKey Homes Trust		
Series 2020-SFR2, Class A		
1.266%, 10/19/2037 (A)	\$ 284,371	\$ 283,913
Home Partners of America Trust		
Series 2018-1, Class D (1 month		
LIBOR + 1.450%)		
1.532%, 07/17/2037 (A)(D)	590,000	590,368
Series 2019-1, Class B		
3.157%, 09/17/2039 (A)	387,288	394,517
Jack in the Box Funding LLC		
Series 2019-1A, Class A2II		
4.476%, 08/25/2049 (A)	590,538	622,745
MVW Owner Trust		
Series 2018-1A, Class A		
3.450%, 01/21/2036 (A)	243,870	252,594
Taco Bell Funding LLC		
Series 2016-1A, Class A23		
4.970%, 05/25/2046 (A)	1,497,600	1,617,138
TOTAL ASSET BACKED SECURITIES (Cost		
\$6,403,523)		\$ 6,660,552
COMMON STOCKS – 3.2%		
Communication services – 0.0%		
Vertis Holdings, Inc. (I)(J)	8,371	0
Consumer discretionary – 0.3%		
General Motors Company (J)	20,696	1,224,582
Financials – 1.2%		
CIT Group, Inc.	17,920	924,493
Credit Agricole SA	66,195	928,027
Credit Suisse Group AG, ADR	63,906	670,374
Societe Generale SA	30,080	889,808
Synovus Financial Corp.	19,905	873,431
U.S. Bancorp	22,421	1,277,324
		5,563,457
Industrials – 0.7%		
Delta Air Lines, Inc. (J)	24,829	1,074,103
The Boeing Company (J)	8,021	1,921,511
		2,995,614
Real estate – 0.4%		
Americold Realty Trust	36,756	1,391,215
Safehold, Inc.	4,554	357,489
		1,748,704
Utilities – 0.6%		
Algonquin Power & Utilities Corp. (J)	25,100	1,246,413
Dominion Energy, Inc.	18,000	1,748,340
		2,994,753
TOTAL COMMON STOCKS (Cost \$14,811,050)		\$ 14,527,110
PREFERRED SECURITIES – 3.2%		
Communication services – 0.1%		
2020 Cash Mandatory Exchangeable		
Trust, 5.250% (A)	475	598,538
Financials – 0.5%		
U.S. Bancorp (Greater of 3 month		
LIBOR + 1.020% or 3.500%), 3.500%	804	792,744
Valley National Bancorp (5.500% to		
9-30-22, then 3 month LIBOR +		
3.578%)	22,825	585,918
Wells Fargo & Company (5.850% to		
9-15-23, then 3 month LIBOR +		
3.090%)	27,605	760,518
		2,139,180

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Health care – 0.3%		
Becton, Dickinson and Company,		
6.000% (B)	10,850	\$ 580,584
Danaher Corp., 4.750%	570	1,025,208
		1,605,792
Industrials – 0.3%		
Stanley Black & Decker, Inc.,		
5.250% (B)	10,400	1,255,592
Information technology – 0.4%		
Broadcom, Inc., 8.000%	840	1,276,691
Sabre Corp., 6.500%	2,400	386,856
		1,663,547
Utilities – 1.6%		
American Electric Power Company, Inc.,		
6.125%	23,350	1,196,454
DTE Energy Company, 6.250%	20,150	996,015
NextEra Energy, Inc., 4.872%	26,200	1,471,130
NextEra Energy, Inc., 5.279%	28,350	1,388,016
NextEra Energy, Inc., 6.219%	17,400	859,560
The Southern Company, 6.750%	33,300	1,685,979
		7,597,154
TOTAL PREFERRED SECURITIES (Cost \$13,926,538)		\$ 14,859,803
PURCHASED OPTIONS – 0.0%		
Puts – 0.0%		
Over the Counter Option on the USD vs.		
CAD (Expiration Date: 10-7-21; Strike		
Price: \$1.22; Counterparty: Canadian		
Imperial Bank of Commerce) (J)(K)	7,675,000	49,573
Over the Counter Option on the USD vs.		
MXN (Expiration Date: 7-22-21;		
Strike Price: \$19.25;		
Counterparty: HSBC Bank USA,		
N.A.) (J)(K)	6,190,000	2,816
		52,389
TOTAL PURCHASED OPTIONS (Cost \$142,384)		\$ 52,389
SHORT-TERM INVESTMENTS – 3.5%		
Short-term funds – 0.8%		
John Hancock Collateral Trust,		
0.0324% (L)(M)	341,886	3,420,435
Repurchase agreement – 2.7%		
Repurchase Agreement with State Street		
Corp. dated 6-30-21 at 0.000% to be		
repurchased at \$12,414,000 on 7-1-21,		
collateralized by \$12,654,200		
U.S. Treasury Notes, 0.099% due		
1-31-23 (valued at \$12,662,308)	\$ 12,414,000	12,414,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$15,834,553)		\$ 15,834,435
Total Investments (Strategic Income Opportunities Trust)		
(Cost \$448,807,100) – 101.5%		\$ 463,385,416
Other assets and liabilities, net – (1.5%)		(6,746,867)
TOTAL NET ASSETS – 100.0%		\$ 456,638,549
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	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

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

ADR	American Depositary Receipt
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
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 \$176,687,392 or 38.7% of the fund's net assets as of 6-30-21.
(B)	All or a portion of this security is on loan as of 6-30-21.

Strategic Income Opportunities Trust (continued)

(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)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(F)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(G)	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).
(H)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(I)	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)	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 6-30-21.
(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.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Euro-BTP Italian Government Bond Futures	27	Long	Sep 2021	\$4,817,824	\$4,847,445	\$29,621
10-Year U.S. Treasury Note Futures	96	Short	Sep 2021	(12,654,115)	(12,720,000)	(65,885)
Euro-Buxl Futures	4	Short	Sep 2021	(962,647)	(963,967)	(1,320)
German Euro BUND Futures	33	Short	Sep 2021	(6,720,073)	(6,754,187)	(34,114)
U.S. Treasury Long Bond Futures	442	Short	Sep 2021	(69,007,363)	(71,051,500)	(2,044,137)
Ultra U.S. Treasury Bond Futures	7	Short	Sep 2021	(1,012,364)	(1,030,422)	(18,058)
						\$(2,133,893)

[^] 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
CAD 2,472,179	GBP 1,441,250	MSCS	9/15/2021	\$258	—
CAD 2,464,235	GBP 1,441,250	RBC	9/15/2021	—	\$(6,150)
CAD 1,475,000	JPY 132,702,800	ANZ	9/15/2021	—	(5,385)
CAD 1,475,000	JPY 132,297,323	RBC	9/15/2021	—	(1,733)
CAD 3,528,035	USD 2,880,000	CITI	9/15/2021	—	(33,985)
CAD 3,568,435	USD 2,880,500	GSI	9/15/2021	—	(1,894)
CAD 3,568,209	USD 2,882,500	HUS	9/15/2021	—	(4,076)
CAD 9,112,637	USD 7,390,534	JPM	9/15/2021	—	(39,499)
CAD 3,549,538	USD 2,877,500	MSCS	9/15/2021	—	(14,138)
CAD 1,765,175	USD 1,440,000	RBC	9/15/2021	—	(16,058)
EUR 6,700,851	CAD 9,882,730	RBC	9/15/2021	—	(14,629)
EUR 2,882,020	GBP 2,479,090	SSB	9/15/2021	—	(7,339)
EUR 2,932,500	USD 3,481,877	SCB	9/15/2021	628	—
GBP 2,882,500	CAD 4,930,199	JPM	9/15/2021	10,905	—
GBP 2,485,546	EUR 2,882,020	UBS	9/15/2021	16,272	—
GBP 2,065,000	USD 2,861,726	BARC	9/15/2021	—	(4,735)
GBP 2,065,000	USD 2,915,727	SSB	9/15/2021	—	(58,736)
JPY 266,790,419	CAD 2,950,000	CIBC	9/15/2021	23,244	—
SGD 4,615,797	USD 3,440,216	BARC	9/15/2021	—	(7,667)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

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

	Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
SGD	216,768	USD 161,240	CITI	9/15/2021	—	\$(40)
USD	3,080,055	AUD 4,103,949	CITI	9/15/2021	\$1,331	—
USD	6,040,608	BRL 30,697,025	CITI	9/15/2021	—	(75,280)
USD	755,766	BRL 3,741,798	SSB	9/15/2021	10,273	—
USD	8,642,500	CAD 10,567,184	MSCS	9/15/2021	118,102	—
USD	1,583,102	CAD 1,911,966	RBC	9/15/2021	40,746	—
USD	4,465,602	CAD 5,425,924	SSB	9/15/2021	88,586	—
USD	8,425,636	EUR 7,065,242	GSI	9/15/2021	35,274	—
USD	3,484,180	EUR 2,932,500	MSCS	9/15/2021	1,674	—
USD	4,152,160	GBP 2,984,014	CIBC	9/15/2021	23,686	—
USD	1,278,430	GBP 919,014	HUS	9/15/2021	6,947	—
USD	1,071,894	JPY 117,207,264	UBS	9/15/2021	16,215	—
USD	788,148	NZD 1,134,068	ANZ	9/15/2021	—	(4,388)
USD	736,543	NZD 1,058,464	GSI	9/15/2021	—	(3,158)
USD	2,044,840	SGD 2,743,562	HUS	9/15/2021	4,583	—
USD	2,044,840	SGD 2,745,903	JPM	9/15/2021	2,842	—
USD	2,044,840	SGD 2,744,687	MSCS	9/15/2021	3,747	—
USD	3,649,168	SGD 4,832,565	SSB	9/15/2021	55,420	—
					\$460,733	\$(298,890)

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	1.22	Aug 2021	8,885,000	\$124,574	\$ (8,523)
Euro vs. U.S. Dollar	UBS	EUR	1.19	Aug 2021	8,895,000	87,620	(58,632)
						\$212,194	\$ (67,155)
Puts							
U.S. Dollar vs. Canadian Dollar	GSI	USD	1.22	Oct 2021	7,675,000	174,069	(49,573)
						\$174,069	\$ (49,573)
						\$386,263	\$(116,728)

* 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
NZD	New Zealand Dollar
SGD	Singapore Dollar
USD	U.S. Dollar

Derivatives Abbreviations

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

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

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 64.5%		
U.S. Government – 36.4%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 8,000,000	\$ 6,532,188
1.875%, 02/15/2041	2,000,000	1,957,813
2.000%, 02/15/2050	3,000,000	2,947,266
2.250%, 08/15/2049	2,000,000	2,071,875
2.750%, 08/15/2047	3,000,000	3,412,500
2.875%, 05/15/2049	1,500,000	1,756,465
3.000%, 02/15/2047 to 02/15/2049	28,635,000	34,083,005
4.250%, 05/15/2039 to 11/15/2040	4,610,000	6,316,910
4.375%, 05/15/2041	1,830,000	2,571,079
4.625%, 02/15/2040	5,000,000	7,177,344
4.750%, 02/15/2041	2,000,000	2,932,891
8.125%, 08/15/2021	1,400,000	1,414,059
U.S. Treasury Notes		
0.125%, 10/31/2022 to 02/28/2023	16,000,000	15,989,844
0.250%, 11/15/2023 to 10/31/2025	32,000,000	31,620,625
0.375%, 07/31/2027	4,000,000	3,833,750
0.500%, 10/31/2027	12,000,000	11,537,344
0.625%, 03/31/2027 to 05/15/2030	16,000,000	15,217,422
0.750%, 03/31/2026	4,000,000	3,982,031
1.250%, 08/31/2024	5,000,000	5,117,969
1.375%, 08/31/2026	5,000,000	5,118,555
1.500%, 01/31/2027	5,000,000	5,140,039
1.625%, 08/15/2029	8,000,000	8,182,188
1.750%, 07/31/2021 to 12/31/2024	13,000,000	13,261,399
2.000%, 11/15/2021 to 02/15/2022	29,400,000	29,634,680
2.125%, 05/31/2026	3,000,000	3,181,641
2.250%, 11/15/2027	20,595,000	22,030,214
2.375%, 05/15/2029	5,000,000	5,395,508
2.625%, 02/28/2023	3,000,000	3,121,055
2.750%, 04/30/2023	3,500,000	3,660,645
2.875%, 11/30/2023 to 05/15/2028	9,300,000	10,206,774
3.000%, 10/31/2025	2,000,000	2,191,094
		271,596,172
U.S. Government Agency – 28.1%		
Federal Home Loan Bank		
5.500%, 07/15/2036	1,690,000	2,485,868
Federal Home Loan Mortgage Corp.		
2.000%, 07/01/2035	1,069,682	1,104,102
2.375%, 01/13/2022	1,500,000	1,518,360
2.475%, (12 month LIBOR + 2.100%), 02/01/2037 (A)	57,493	60,498
2.500%, 04/01/2031 to 08/01/2050	5,501,649	5,703,942
2.531%, (12 month LIBOR + 1.863%), 08/01/2037 (A)	415,572	434,917
2.750%, 06/19/2023	2,000,000	2,098,373
3.000%, 07/01/2032 to 08/01/2046	5,066,716	5,369,956
3.500%, 12/01/2025 to 06/01/2048	4,068,867	4,343,509
4.000%, 02/01/2024 to 09/01/2047	1,909,775	2,062,591
4.500%, 05/01/2024 to 11/01/2048	3,141,869	3,417,592
5.000%, 06/01/2023 to 09/01/2039	232,010	263,958
5.500%, 02/01/2023 to 01/01/2039	390,271	451,386
6.000%, 10/01/2036 to 10/01/2038	180,511	213,567
6.250%, 07/15/2032	450,000	661,050
6.500%, 08/01/2037 to 08/01/2038	38,132	45,452
6.750%, 09/15/2029	1,200,000	1,731,966
7.000%, 04/01/2029 to 10/01/2038	30,122	35,832
7.500%, 09/01/2030 to 03/01/2032	5,255	6,187
8.000%, 02/01/2030	691	800
Federal National Mortgage Association		
1.500%, TBA (B)	1,700,000	1,719,575
1.664%, (6 month LIBOR + 1.413%), 07/01/2034 (A)	95,688	97,593

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)		
1.728%, (12 month LIBOR + 1.353%), 01/01/2035 (A)	\$ 197,090	\$ 202,724
1.945%, (12 month LIBOR + 1.567%), 09/01/2037 (A)	63,144	65,418
2.000%, TBA (B)	16,700,000	16,873,770
2.000%, 02/01/2035 to 11/01/2050	13,037,127	13,257,919
2.070%, (12 month LIBOR + 1.791%), 04/01/2037 (A)	106,741	111,595
2.125%, 04/24/2026	2,000,000	2,118,597
2.310%, (1 Year CMT + 2.185%), 05/01/2036 (A)	48,222	51,056
2.425%, (12 month LIBOR + 1.925%), 10/01/2037 (A)	21,719	22,784
2.500%, TBA (B)	4,000,000	4,171,252
2.500%, 05/01/2028 to 11/01/2050	15,826,755	16,400,532
2.625%, 09/06/2024	1,000,000	1,068,588
3.000%, TBA (B)	16,400,000	17,097,003
3.000%, 01/01/2027 to 12/01/2049	13,492,834	14,261,468
3.500%, TBA (B)	8,000,000	8,419,996
3.500%, 12/01/2025 to 10/01/2049	13,153,927	14,018,584
4.000%, 03/01/2024 to 09/01/2049	11,931,846	12,802,739
4.500%, 08/01/2024 to 09/01/2048	2,575,976	2,828,632
5.000%, 08/01/2023 to 09/01/2048	1,971,293	2,189,933
5.500%, 08/01/2021 to 11/01/2038	480,066	553,299
6.000%, 08/01/2023 to 08/01/2038	323,965	378,003
6.500%, 03/01/2022 to 12/01/2037	110,990	131,212
7.000%, 02/01/2031 to 10/01/2038	42,073	50,381
7.125%, 01/15/2030	209,000	305,319
7.250%, 05/15/2030	1,450,000	2,149,455
7.500%, 09/01/2030 to 08/01/2031	15,641	18,381
8.000%, 08/01/2030 to 09/01/2031	3,706	4,337
8.500%, 09/01/2030	370	435
Government National		
Mortgage Association		
2.000%, TBA (B)	2,500,000	2,546,939
2.500%, TBA (B)	8,000,000	8,279,233
3.000%, TBA (B)	5,000,000	5,206,743
3.000%, 08/15/2043 to 08/20/2050	8,137,745	8,568,520
3.500%, TBA (B)	2,800,000	2,926,962
3.500%, 04/15/2042 to 04/20/2050	8,407,671	8,984,667
4.000%, 11/15/2026 to 08/20/2048	4,761,231	5,125,725
4.500%, 06/15/2023 to 04/20/2050	2,555,210	2,769,980
5.000%, 10/15/2023 to 07/20/2040	674,232	765,054
5.500%, 08/15/2023 to 09/20/2039	274,230	313,933
6.000%, 07/15/2029 to 10/15/2038	185,464	215,452
6.500%, 05/15/2028 to 12/15/2038	139,890	164,238
7.000%, 08/15/2029 to 05/15/2032	24,933	28,600
7.500%, 09/15/2030 to 01/15/2031	6,054	7,055
8.000%, 04/15/2031	6,644	7,847
		209,291,434
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS		
(Cost \$463,814,695)		\$ 480,887,606
FOREIGN GOVERNMENT OBLIGATIONS – 1.0%		
Brazil – 0.2%		
Federative Republic of Brazil		
4.250%, 01/07/2025	1,612,000	1,739,574
Canada – 0.2%		
Hydro-Quebec		
8.400%, 01/15/2022	250,000	260,610
Province of British Columbia		
6.500%, 01/15/2026 (C)	490,000	602,935

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (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	\$ 174,897
7.500%, 07/15/2023	410,000	467,613
		1,506,055
Israel – 0.1%		
State of Israel		
5.500%, 09/18/2023	455,000	506,356
Italy – 0.0%		
Republic of Italy		
6.875%, 09/27/2023	300,000	339,720
Japan – 0.1%		
Japan Bank for International Cooperation		
2.500%, 05/23/2024	800,000	843,323
Mexico – 0.2%		
Government of Mexico		
6.050%, 01/11/2040	930,000	1,165,662
Panama – 0.1%		
Republic of Panama		
6.700%, 01/26/2036	370,000	501,905
Peru – 0.0%		
Republic of Peru		
6.550%, 03/14/2037	250,000	344,065
Turkey – 0.1%		
Republic of Turkey		
6.000%, 01/14/2041	400,000	361,584
6.250%, 09/26/2022	400,000	416,031
		777,615
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$7,389,898)		\$ 7,724,275
CORPORATE BONDS – 28.9%		
Communication services – 2.7%		
America Movil SAB de CV		
3.125%, 07/16/2022	500,000	513,661
AT&T, Inc.		
2.550%, 12/01/2033 (D)	665,000	658,777
3.800%, 12/01/2057 (D)	609,000	634,506
4.750%, 05/15/2046	900,000	1,093,073
4.850%, 07/15/2045	500,000	607,679
5.150%, 03/15/2042	50,000	62,679
6.375%, 03/01/2041	360,000	516,783
7.625%, 04/15/2031	285,000	400,737
Baidu, Inc.		
4.125%, 06/30/2025	250,000	275,741
British Telecommunications PLC		
9.625%, 12/15/2030	190,000	294,121
Charter Communications Operating LLC		
2.800%, 04/01/2031	600,000	613,387
5.050%, 03/30/2029	400,000	472,476
5.375%, 05/01/2047	500,000	612,705
Comcast Corp.		
2.350%, 01/15/2027	455,000	477,243
3.375%, 02/15/2025	600,000	650,906
3.999%, 11/01/2049	500,000	588,800
6.500%, 11/15/2035	255,000	370,895
Deutsche Telekom International Finance BV		
8.750%, 06/15/2030	146,000	218,772
Discovery Communications LLC		
4.125%, 05/15/2029	900,000	1,007,675
5.300%, 05/15/2049	400,000	505,877
Fox Corp.		
3.500%, 04/08/2030 (C)	600,000	661,108

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Grupo Televisa SAB		
6.625%, 01/15/2040	\$ 220,000	\$ 302,615
TCI Communications, Inc.		
7.125%, 02/15/2028	110,000	147,149
Telefonica Emisiones SA		
7.045%, 06/20/2036	230,000	331,146
Telefonica Europe BV		
8.250%, 09/15/2030	350,000	512,885
Time Warner Entertainment Company LP		
8.375%, 07/15/2033	525,000	795,496
T-Mobile USA, Inc.		
3.875%, 04/15/2030	600,000	670,692
4.500%, 04/15/2050	700,000	833,513
TWDC Enterprises 18 Corp.		
3.150%, 09/17/2025	500,000	543,933
4.125%, 06/01/2044	500,000	602,669
Verizon Communications, Inc.		
4.016%, 12/03/2029	500,000	573,309
4.272%, 01/15/2036	458,000	544,940
4.522%, 09/15/2048	1,260,000	1,558,698
ViacomCBS, Inc.		
4.000%, 01/15/2026	600,000	667,211
Vodafone Group PLC		
4.375%, 05/30/2028	400,000	465,308
5.250%, 05/30/2048	300,000	395,300
		20,182,465
Consumer discretionary – 1.7%		
Amazon.com, Inc.		
4.050%, 08/22/2047	600,000	731,906
AutoZone, Inc.		
3.250%, 04/15/2025	1,000,000	1,074,881
Brinker International, Inc.		
3.875%, 05/15/2023 (C)	250,000	257,525
Ford Motor Credit Company LLC		
3.096%, 05/04/2023	280,000	285,600
General Motors Financial Company, Inc.		
4.250%, 05/15/2023	280,000	297,585
5.250%, 03/01/2026	650,000	750,546
Hyatt Hotels Corp.		
3.375%, 07/15/2023	250,000	260,334
Lowe's Companies, Inc.		
3.375%, 09/15/2025	460,000	504,134
McDonald's Corp.		
3.300%, 07/01/2025	1,000,000	1,086,470
NIKE, Inc.		
2.400%, 03/27/2025	1,000,000	1,057,924
Starbucks Corp.		
3.550%, 08/15/2029	300,000	335,224
Target Corp.		
3.900%, 11/15/2047	500,000	624,590
The Home Depot, Inc.		
2.625%, 06/01/2022	400,000	408,196
2.700%, 04/15/2030	700,000	748,428
3.350%, 09/15/2025	752,000	823,057
4.250%, 04/01/2046	390,000	484,815
5.875%, 12/16/2036	280,000	400,011
The TJX Companies, Inc.		
3.875%, 04/15/2030	600,000	687,760
4.500%, 04/15/2050 (C)	600,000	799,733
Toyota Motor Credit Corp.		
1.150%, 08/13/2027	500,000	493,740
3.400%, 09/15/2021	320,000	322,073
Whirlpool Corp.		
5.150%, 03/01/2043 (C)	300,000	380,247
		12,814,779

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples – 1.6%		
Altria Group, Inc. 4.500%, 05/02/2043	\$ 500,000	\$ 537,382
Anheuser-Busch Companies LLC 3.650%, 02/01/2026	800,000	883,348
4.900%, 02/01/2046	500,000	632,875
Anheuser-Busch InBev Worldwide, Inc. 4.750%, 01/23/2029	500,000	595,632
BAT Capital Corp. 3.215%, 09/06/2026	500,000	530,457
Costco Wholesale Corp. 1.600%, 04/20/2030	500,000	493,472
General Mills, Inc. 2.875%, 04/15/2030	600,000	635,589
Kimberly-Clark Corp. 3.200%, 07/30/2046	300,000	326,695
Kraft Heinz Foods Company 3.000%, 06/01/2026	458,000	487,740
6.875%, 01/26/2039	40,000	57,456
Mondelez International, Inc. 4.625%, 05/07/2048	300,000	363,508
PepsiCo, Inc. 2.850%, 02/24/2026	495,000	534,397
4.000%, 03/05/2042	270,000	326,805
5.500%, 01/15/2040	280,000	391,125
Philip Morris International, Inc. 3.600%, 11/15/2023	250,000	269,153
SC Johnson & Son, Inc. 4.000%, 05/15/2043 (D)	250,000	293,189
Sysco Corp. 6.600%, 04/01/2050	1,000,000	1,553,363
The Estee Lauder Companies, Inc. 2.600%, 04/15/2030	600,000	633,380
The Kroger Company 3.500%, 02/01/2026	500,000	548,835
Tyson Foods, Inc. 4.350%, 03/01/2029	400,000	465,468
Walmart, Inc. 3.250%, 07/08/2029	600,000	671,018
4.050%, 06/29/2048	500,000	628,001
		11,858,888
Energy – 2.5%		
Anadarko Petroleum Corp. 6.450%, 09/15/2036	280,000	310,041
Baker Hughes LLC 3.337%, 12/15/2027	500,000	546,342
4.486%, 05/01/2030	500,000	589,707
Boardwalk Pipelines LP 4.950%, 12/15/2024	400,000	447,101
BP Capital Markets America, Inc. 3.796%, 09/21/2025	800,000	886,619
BP Capital Markets PLC 2.750%, 05/10/2023	250,000	260,350
Canadian Natural Resources, Ltd. 6.250%, 03/15/2038	290,000	387,661
Chevron Corp. 2.954%, 05/16/2026	800,000	867,186
ConocoPhillips Company 4.950%, 03/15/2026	300,000	349,305
Devon Energy Corp. 5.000%, 06/15/2045	885,000	1,039,611
7.875%, 09/30/2031	170,000	238,163
Enbridge, Inc. 3.700%, 07/15/2027	400,000	441,179
4.500%, 06/10/2044	400,000	471,947

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Energy Transfer LP 3.450%, 01/15/2023	\$ 170,000	\$ 175,818
5.500%, 06/01/2027	600,000	703,671
6.125%, 12/15/2045	350,000	446,117
6.500%, 02/01/2042	50,000	64,916
Enterprise Products Operating LLC 3.200%, 02/15/2052	700,000	694,428
4.850%, 08/15/2042	280,000	342,575
6.875%, 03/01/2033	130,000	185,797
Exxon Mobil Corp. 2.397%, 03/06/2022	750,000	758,492
Kinder Morgan Energy Partners LP 4.300%, 05/01/2024	700,000	762,746
6.375%, 03/01/2041	60,000	82,935
6.500%, 09/01/2039	180,000	250,933
Kinder Morgan, Inc. 5.550%, 06/01/2045	375,000	485,483
Marathon Oil Corp. 3.850%, 06/01/2025	500,000	544,540
ONEOK Partners LP 6.650%, 10/01/2036	268,000	361,089
Ovintiv, Inc. 6.500%, 08/15/2034	270,000	356,431
Petroleos Mexicanos 4.875%, 01/18/2024	500,000	524,750
6.625%, 06/15/2035	230,000	222,123
Phillips 66 Partners LP 3.750%, 03/01/2028	200,000	218,837
Shell International Finance BV 4.375%, 05/11/2045	1,000,000	1,226,216
6.375%, 12/15/2038	90,000	133,451
Suncor Energy, Inc. 5.950%, 05/15/2035	235,000	309,155
The Williams Companies, Inc. 5.100%, 09/15/2045	400,000	497,073
7.875%, 09/01/2021	190,000	192,300
Tosco Corp. 8.125%, 02/15/2030 (C)	383,000	551,330
TotalEnergies Capital SA 4.250%, 12/15/2021	60,000	61,101
TransCanada PipeLines, Ltd. 5.850%, 03/15/2036	405,000	536,440
Valero Energy Corp. 2.850%, 04/15/2025	600,000	636,194
7.500%, 04/15/2032	270,000	379,202
		18,539,355
Financials – 7.3%		
American Express Company 2.650%, 12/02/2022	345,000	356,349
American International Group, Inc. 4.125%, 02/15/2024	550,000	598,893
6.250%, 05/01/2036	430,000	596,158
Ares Capital Corp. 3.875%, 01/15/2026	1,000,000	1,071,241
Bank of America Corp. 3.300%, 01/11/2023	800,000	835,000
4.450%, 03/03/2026	700,000	795,056
7.750%, 05/14/2038	480,000	757,595
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	386,000	400,030
Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	1,700,000	1,832,932

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	\$ 1,312,000	\$ 1,428,912
Bank of America Corp. (3.970% to 3-5-28, then 3 month LIBOR + 1.070%) 03/05/2029	500,000	563,624
Bank of America Corp. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%) 01/20/2048	500,000	619,892
Barclays Bank PLC 1.700%, 05/12/2022	500,000	505,735
Barclays PLC 4.375%, 01/12/2026	500,000	559,846
Berkshire Hathaway, Inc. 3.125%, 03/15/2026	500,000	546,569
Capital One Bank USA NA 3.375%, 02/15/2023	360,000	376,680
Capital One Financial Corp. 3.200%, 02/05/2025	2,000,000	2,149,551
3.300%, 10/30/2024	1,500,000	1,615,548
Chubb INA Holdings, Inc. 3.350%, 05/03/2026	300,000	329,373
Citigroup, Inc. 2.350%, 08/02/2021	500,000	500,877
4.450%, 09/29/2027	500,000	571,248
5.500%, 09/13/2025	400,000	465,916
Citigroup, Inc. (2.666% to 1-29-30, then SOFR + 1.146%) 01/29/2031	1,000,000	1,032,031
Citigroup, Inc. (4.281% to 4-24-47, then 3 month LIBOR + 1.839%) 04/24/2048	500,000	621,461
Credit Suisse AG 3.000%, 10/29/2021	750,000	756,812
Credit Suisse Group AG 3.750%, 03/26/2025	250,000	271,177
4.550%, 04/17/2026	800,000	906,090
Discover Financial Services 5.200%, 04/27/2022	120,000	124,669
European Investment Bank 2.500%, 10/15/2024 (C)	1,500,000	1,594,140
3.250%, 01/29/2024	600,000	642,936
Five Corners Funding Trust II 2.850%, 05/15/2030 (D)	800,000	842,541
GE Capital International Funding Company 4.418%, 11/15/2035	822,000	985,152
HSBC Holdings PLC 6.500%, 09/15/2037	660,000	918,078
HSBC Holdings PLC (2.848% to 6-4-30, then SOFR + 2.387%) 06/04/2031	1,000,000	1,038,168
Inter-American Development Bank 1.750%, 09/14/2022	600,000	611,267
2.000%, 07/23/2026	1,000,000	1,050,300
7.000%, 06/15/2025	325,000	405,595
Intercontinental Exchange, Inc. 3.100%, 09/15/2027	400,000	434,851
International Bank for Reconstruction & Development 0.750%, 11/24/2027	1,000,000	973,741
JPMorgan Chase & Co. 3.300%, 04/01/2026	700,000	765,652
3.375%, 05/01/2023	500,000	526,327
3.875%, 02/01/2024	1,300,000	1,408,070
4.350%, 08/15/2021	710,000	713,493
6.400%, 05/15/2038	125,000	183,339

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.945%) 01/23/2029	\$ 500,000	\$ 551,085
JPMorgan Chase & Co. (4.452% to 12-5-28, then 3 month LIBOR + 1.330%) 12/05/2029	600,000	701,613
KfW 2.125%, 01/17/2023	600,000	617,539
2.625%, 02/28/2024	800,000	846,038
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (D)	500,000	549,371
Lincoln National Corp. 7.000%, 06/15/2040	150,000	229,186
MetLife, Inc. 4.600%, 05/13/2046	500,000	644,102
Morgan Stanley 3.700%, 10/23/2024	950,000	1,036,450
4.100%, 05/22/2023	750,000	798,592
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	1,116,254
Morgan Stanley (3.772% to 1-24-28, then 3 month LIBOR + 1.140%) 01/24/2029	550,000	617,280
Raymond James Financial, Inc. 4.950%, 07/15/2046	600,000	775,444
State Street Corp. 3.100%, 05/15/2023	250,000	262,688
Stifel Financial Corp. 4.250%, 07/18/2024	500,000	547,808
Sumitomo Mitsui Financial Group, Inc. 3.784%, 03/09/2026	550,000	611,953
The Allstate Corp. 3.280%, 12/15/2026	500,000	551,757
The Charles Schwab Corp. 3.200%, 01/25/2028	300,000	330,607
The Goldman Sachs Group, Inc. 2.600%, 02/07/2030	700,000	726,377
3.500%, 01/23/2025	750,000	810,897
3.625%, 01/22/2023	500,000	524,904
3.750%, 02/25/2026	500,000	553,146
The Hartford Financial Services Group, Inc. 5.950%, 10/15/2036	170,000	231,736
The PNC Financial Services Group, Inc. 3.450%, 04/23/2029	1,000,000	1,117,034
The Toronto-Dominion Bank 1.800%, 07/13/2021	500,000	500,248
The Travelers Companies, Inc. 4.050%, 03/07/2048	300,000	366,525
Travelers Property Casualty Corp. 7.750%, 04/15/2026	50,000	64,560
Truist Financial Corp. 1.125%, 08/03/2027	700,000	683,037
2.850%, 10/26/2024	700,000	748,480
U.S. Bancorp 3.000%, 03/15/2022	600,000	610,412
Wells Fargo & Company 3.450%, 02/13/2023	750,000	786,223
Wells Fargo & Company (2.572% to 2-11-30, then SOFR + 1.262%) 02/11/2031	1,000,000	1,034,863
Westpac Banking Corp. 2.000%, 08/19/2021	600,000	601,454
		54,430,578

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care – 3.8%		
Abbott Laboratories		
2.950%, 03/15/2025	\$ 300,000	\$ 322,516
3.750%, 11/30/2026	283,000	319,600
AbbVie, Inc.		
2.900%, 11/06/2022	500,000	516,620
3.200%, 05/14/2026 to 11/21/2029	1,716,000	1,862,381
4.400%, 11/06/2042	260,000	315,708
Aetna, Inc.		
3.500%, 11/15/2024	200,000	216,361
Agilent Technologies, Inc.		
3.875%, 07/15/2023	250,000	265,360
Allergan Funding SCS		
4.750%, 03/15/2045	321,000	328,887
Amgen, Inc.		
4.400%, 05/01/2045	260,000	315,678
4.663%, 06/15/2051	659,000	849,920
Anthem, Inc.		
4.101%, 03/01/2028	350,000	400,018
4.650%, 08/15/2044	150,000	187,183
AstraZeneca PLC		
0.700%, 04/08/2026	500,000	486,814
Baxalta, Inc.		
4.000%, 06/23/2025	500,000	551,953
Bayer US Finance II LLC		
2.850%, 04/15/2025 (D)	300,000	311,637
Biogen, Inc.		
3.250%, 02/15/2051 (D)	561,000	561,375
Boston Scientific Corp.		
2.650%, 06/01/2030	500,000	517,155
Bristol-Myers Squibb Company		
3.250%, 08/01/2042	500,000	535,331
4.550%, 02/20/2048	300,000	391,336
Cardinal Health, Inc.		
3.750%, 09/15/2025	500,000	549,928
Celgene Corp.		
3.875%, 08/15/2025	283,000	312,505
Cigna Corp.		
4.375%, 10/15/2028	500,000	581,516
CVS Health Corp.		
3.875%, 07/20/2025	650,000	717,661
4.300%, 03/25/2028	1,000,000	1,148,907
5.050%, 03/25/2048	500,000	649,438
CVS Pass-Through Trust		
8.353%, 07/10/2031 (D)	66,777	87,527
Eli Lilly & Company		
2.250%, 05/15/2050	500,000	453,401
Evernorth Health, Inc.		
6.125%, 11/15/2041	330,000	447,429
Gilead Sciences, Inc.		
3.650%, 03/01/2026	600,000	661,457
GlaxoSmithKline Capital, Inc.		
3.625%, 05/15/2025	500,000	552,102
6.375%, 05/15/2038	210,000	314,422
HCA, Inc.		
4.500%, 02/15/2027	500,000	565,038
5.500%, 06/15/2047	400,000	520,969
Humana, Inc.		
3.850%, 10/01/2024	350,000	379,633
Johnson & Johnson		
2.100%, 09/01/2040	500,000	474,699
5.850%, 07/15/2038	285,000	416,723
Laboratory Corp. of America Holdings		
2.950%, 12/01/2029	500,000	526,454
McKesson Corp.		
4.750%, 05/30/2029	500,000	592,541

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Medtronic, Inc.		
4.375%, 03/15/2035	\$ 500,000	\$ 622,030
Merck & Company, Inc.		
2.750%, 02/10/2025	850,000	905,677
Novartis Capital Corp.		
3.000%, 11/20/2025	500,000	542,272
Pfizer, Inc.		
2.750%, 06/03/2026	713,000	771,653
4.400%, 05/15/2044	264,000	340,398
Quest Diagnostics, Inc.		
4.200%, 06/30/2029	500,000	576,345
4.700%, 03/30/2045	500,000	612,572
Regeneron Pharmaceuticals, Inc.		
2.800%, 09/15/2050	1,000,000	910,554
Stryker Corp.		
4.625%, 03/15/2046	350,000	446,971
UnitedHealth Group, Inc.		
4.375%, 03/15/2042	50,000	61,761
4.450%, 12/15/2048	300,000	383,227
5.800%, 03/15/2036	300,000	422,315
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	500,000	550,768
Viartis, Inc.		
2.700%, 06/22/2030 (D)	500,000	505,591
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	538,422
3.550%, 04/01/2025	500,000	542,452
Zoetis, Inc.		
2.000%, 05/15/2030	500,000	497,690
		28,438,881
Industrials – 2.9%		
3M Company		
3.000%, 08/07/2025	330,000	357,912
AerCap Ireland Capital DAC		
4.450%, 04/03/2026	400,000	439,285
Air Lease Corp.		
3.125%, 12/01/2030	600,000	609,543
3.625%, 12/01/2027	400,000	429,638
American Airlines 2016-2 Class AA Pass Through Trust		
3.200%, 06/15/2028	236,100	240,715
Burlington Northern Santa Fe LLC		
4.400%, 03/15/2042	50,000	61,849
Canadian Pacific Railway Company		
4.450%, 03/15/2023	300,000	316,901
Carrier Global Corp.		
3.577%, 04/05/2050	500,000	530,233
Caterpillar, Inc.		
3.400%, 05/15/2024	500,000	536,708
CSX Corp.		
3.350%, 11/01/2025	420,000	458,487
3.800%, 04/15/2050	1,000,000	1,139,036
Deere & Company		
3.100%, 04/15/2030	500,000	551,512
Delta Air Lines 2019-1 Class AA Pass Through Trust		
3.204%, 04/25/2024	200,000	211,442
Emerson Electric Company		
2.625%, 12/01/2021	250,000	251,977
Equifax, Inc.		
3.100%, 05/15/2030	1,200,000	1,288,657
FedEx Corp.		
3.875%, 08/01/2042	420,000	468,213
4.400%, 01/15/2047	350,000	418,466

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
General Electric Company		
4.500%, 03/11/2044	\$ 500,000	\$ 606,129
6.750%, 03/15/2032	66,000	91,485
6.875%, 01/10/2039	168,000	251,337
Honeywell International, Inc.		
1.950%, 06/01/2030	500,000	507,934
John Deere Capital Corp.		
2.050%, 01/09/2025	500,000	522,804
Johnson Controls, Inc.		
5.700%, 03/01/2041	150,000	168,275
Kansas City Southern		
2.875%, 11/15/2029	500,000	526,051
Lockheed Martin Corp.		
3.800%, 03/01/2045	400,000	465,429
Norfolk Southern Corp.		
4.837%, 10/01/2041	240,000	306,521
Northrop Grumman Corp.		
3.250%, 01/15/2028	300,000	327,674
Precision Castparts Corp.		
3.250%, 06/15/2025	500,000	542,516
Raytheon Technologies Corp.		
4.625%, 11/16/2048	500,000	643,235
6.125%, 07/15/2038	225,000	320,899
Roper Technologies, Inc.		
4.200%, 09/15/2028	500,000	574,991
Snap-on, Inc.		
6.125%, 09/01/2021	310,000	312,647
Southwest Airlines Company		
5.250%, 05/04/2025	1,200,000	1,369,169
The Boeing Company		
2.600%, 10/30/2025	438,000	455,930
5.805%, 05/01/2050	600,000	807,979
8.750%, 09/15/2031	90,000	134,993
Thomson Reuters Corp.		
4.500%, 05/23/2043	250,000	275,378
Trane Technologies Global Holding Company, Ltd.		
4.300%, 02/21/2048	600,000	717,698
Union Pacific Corp.		
3.250%, 08/15/2025	500,000	541,573
3.799%, 10/01/2051	313,000	357,938
3.799%, 04/06/2071 (D)	800,000	887,811
United Airlines 2016-2 Class AA Pass Through Trust		
2.875%, 10/07/2028	244,495	249,558
United Parcel Service, Inc.		
3.400%, 03/15/2029	400,000	449,314
Verisk Analytics, Inc.		
4.125%, 03/15/2029	600,000	680,559
		21,406,401
Information technology – 2.6%		
Apple, Inc.		
2.400%, 05/03/2023	800,000	830,304
2.450%, 08/04/2026	1,060,000	1,127,493
3.250%, 02/23/2026	500,000	548,745
Applied Materials, Inc.		
3.900%, 10/01/2025	470,000	525,813
5.100%, 10/01/2035	470,000	618,700
Automatic Data Processing, Inc.		
3.375%, 09/15/2025	752,000	824,316
Broadcom, Inc.		
2.600%, 02/15/2033 (D)	1,000,000	977,869
4.300%, 11/15/2032	700,000	797,108
4.700%, 04/15/2025	600,000	675,939

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Cisco Systems, Inc.		
5.900%, 02/15/2039	\$ 80,000	\$ 116,478
Eaton Corp.		
3.103%, 09/15/2027	500,000	542,967
Fiserv, Inc.		
2.250%, 06/01/2027	600,000	622,399
IBM Corp.		
3.450%, 02/19/2026	1,115,000	1,231,876
4.000%, 06/20/2042	210,000	247,390
5.600%, 11/30/2039	21,000	29,311
Intel Corp.		
2.700%, 12/15/2022	690,000	714,184
Microsoft Corp.		
2.525%, 06/01/2050	1,538,000	1,511,056
3.125%, 11/03/2025	438,000	477,840
NXP BV		
3.400%, 05/01/2030 (D)	520,000	567,792
Oracle Corp.		
2.400%, 09/15/2023	435,000	451,046
2.650%, 07/15/2026	310,000	327,108
2.950%, 05/15/2025	550,000	587,855
4.125%, 05/15/2045	500,000	557,130
PayPal Holdings, Inc.		
2.300%, 06/01/2030	600,000	620,942
2.850%, 10/01/2029	1,000,000	1,078,464
QUALCOMM, Inc.		
1.650%, 05/20/2032	566,000	539,483
Visa, Inc.		
2.050%, 04/15/2030	600,000	616,501
3.150%, 12/14/2025	463,000	506,517
4.300%, 12/14/2045	463,000	594,211
Xerox Corp.		
6.750%, 12/15/2039	60,000	66,080
		18,932,917
Materials – 0.9%		
Air Products and Chemicals, Inc.		
1.850%, 05/15/2027	500,000	513,600
Eastman Chemical Company		
4.650%, 10/15/2044	500,000	604,075
Freeport-McMoRan, Inc.		
3.875%, 03/15/2023	500,000	521,330
Huntsman International LLC		
4.500%, 05/01/2029	500,000	568,473
International Paper Company		
5.000%, 09/15/2035	500,000	627,476
Linde, Inc.		
2.450%, 02/15/2022	240,000	241,969
Newmont Corp.		
4.875%, 03/15/2042	270,000	341,959
Potash Corp. of Saskatchewan, Inc.		
5.625%, 12/01/2040	150,000	195,427
Rio Tinto Alcan, Inc.		
6.125%, 12/15/2033	100,000	139,100
Rio Tinto Finance USA PLC		
4.750%, 03/22/2042	270,000	351,766
Rio Tinto Finance USA, Ltd.		
3.750%, 06/15/2025	485,000	537,799
5.200%, 11/02/2040	250,000	343,222
Teck Resources, Ltd.		
6.250%, 07/15/2041	270,000	352,825
The Dow Chemical Company		
4.375%, 11/15/2042	590,000	703,202
9.400%, 05/15/2039	130,000	229,257

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Vale Overseas, Ltd. 6.875%, 11/10/2039	\$ 350,000	\$ 489,570
		6,761,050
Real estate – 0.6%		
American Campus Communities Operating Partnership LP 3.625%, 11/15/2027	200,000	217,614
American Tower Corp. 5.000%, 02/15/2024	500,000	554,522
Crown Castle International Corp. 3.700%, 06/15/2026	400,000	439,864
CubeSmart LP 4.000%, 11/15/2025	200,000	219,938
Digital Realty Trust LP 4.450%, 07/15/2028	200,000	231,594
Duke Realty LP 3.250%, 06/30/2026	200,000	216,720
Mid-America Apartments LP 3.950%, 03/15/2029	800,000	906,956
Service Properties Trust 4.500%, 03/15/2025	200,000	199,000
Simon Property Group LP 3.375%, 06/15/2027	500,000	543,528
3.500%, 09/01/2025	441,500	483,195
SL Green Operating Partnership LP 3.250%, 10/15/2022	500,000	514,640
		4,527,571
Utilities – 2.3%		
AEP Transmission Company LLC 3.750%, 12/01/2047	400,000	454,156
Ameren Corp. 3.500%, 01/15/2031	1,000,000	1,094,931
American Water Capital Corp. 4.300%, 09/01/2045	350,000	420,880
Arizona Public Service Company 3.350%, 05/15/2050	500,000	535,297
Berkshire Hathaway Energy Company 4.500%, 02/01/2045	500,000	615,931
6.125%, 04/01/2036	436,000	613,049
Consolidated Edison Company of New York, Inc. 3.950%, 04/01/2050	700,000	794,765
Dominion Energy, Inc. 3.375%, 04/01/2030	600,000	653,346
3.900%, 10/01/2025	242,000	267,593
Duke Energy Carolinas LLC 6.000%, 01/15/2038	200,000	282,540
Duke Energy Corp. 3.750%, 04/15/2024	500,000	538,405
4.800%, 12/15/2045	500,000	610,900
Entergy Texas, Inc. 1.750%, 03/15/2031	700,000	670,711
Essential Utilities, Inc. 4.276%, 05/01/2049	500,000	598,828
Eversource Energy 4.250%, 04/01/2029	500,000	582,054
Exelon Corp. 3.400%, 04/15/2026	542,000	590,148
Exelon Generation Company LLC 6.250%, 10/01/2039	160,000	197,150
Florida Power & Light Company 5.650%, 02/01/2037	290,000	397,226
Georgia Power Company 5.950%, 02/01/2039 (C)	335,000	455,508

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Indiana Michigan Power Company 6.050%, 03/15/2037	\$ 187,000	\$ 258,834
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	700,000	705,463
NiSource, Inc. 3.950%, 03/30/2048	400,000	455,904
Oncor Electric Delivery Company LLC 7.500%, 09/01/2038	188,000	305,741
Pacific Gas & Electric Company 2.500%, 02/01/2031	600,000	562,528
3.450%, 07/01/2025	30,000	31,445
3.750%, 07/01/2028	30,000	31,409
4.550%, 07/01/2030	227,000	242,790
4.950%, 07/01/2050	227,000	233,485
PacifiCorp 6.000%, 01/15/2039	335,000	475,215
Public Service Company of Colorado 3.600%, 09/15/2042	500,000	566,915
Public Service Electric & Gas Company 3.000%, 05/15/2025	250,000	267,952
San Diego Gas & Electric Company 6.125%, 09/15/2037	202,000	280,768
Southern California Edison Company 2.250%, 06/01/2030	700,000	688,262
5.350%, 07/15/2035	130,000	164,025
The Southern Company 3.250%, 07/01/2026	572,000	620,771
Virginia Electric & Power Company 3.450%, 09/01/2022	50,000	51,389
8.875%, 11/15/2038	190,000	337,660
Xcel Energy, Inc. 3.300%, 06/01/2025	400,000	431,134
		17,085,108
TOTAL CORPORATE BONDS (Cost \$196,625,485)		\$ 214,977,993
MUNICIPAL BONDS – 0.7%		
Bay Area Toll Authority (California) 6.907%, 10/01/2050	50,000	87,271
Illinois State Toll Highway Authority 6.184%, 01/01/2034	150,000	208,698
Maryland State Transportation Authority 5.888%, 07/01/2043	60,000	81,859
Metropolitan Washington Airports Authority 7.462%, 10/01/2046	40,000	68,097
New Jersey Turnpike Authority 7.102%, 01/01/2041	90,000	144,003
New York State Dormitory Authority 5.628%, 03/15/2039	340,000	444,793
New York State Urban Development Corp. 5.770%, 03/15/2039	300,000	374,266
State of California, GO 7.300%, 10/01/2039 (C)	400,000	640,163
7.500%, 04/01/2034	80,000	126,065
State of Illinois, GO 5.100%, 06/01/2033	115,000	135,222
7.350%, 07/01/2035	280,000	361,715
State of Texas, GO 5.517%, 04/01/2039	260,000	374,479
State of Utah, GO 3.539%, 07/01/2025	390,000	416,223
4.554%, 07/01/2024	205,000	217,114

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
State of Washington, GO 5.481%, 08/01/2039	\$ 260,000	\$ 361,503
Texas Transportation Commission State Highway Fund 5.178%, 04/01/2030	310,000	382,583
University of California 5.770%, 05/15/2043	320,000	450,820
TOTAL MUNICIPAL BONDS (Cost \$3,741,630)		\$ 4,874,874
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	157,999
BANK		
Series 2017-BNK6, Class A4 3.254%, 07/15/2060	2,000,000	2,159,571
CD Mortgage Trust		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	1,090,000	1,204,684
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2012-CR3, Class A3, 2.822%, 10/15/2045	488,940	496,879
Series 2012-CR5, Class A4, 2.771%, 12/10/2045	179,000	183,852
Series 2013-CR8, Class AM, 3.925%, 06/10/2046 (D)(E)	630,000	662,304
Series 2014-CR14, Class A3, 3.955%, 02/10/2047	1,000,000	1,067,305
Series 2014-CR21, Class A3, 3.528%, 12/10/2047	639,596	680,831
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	1,092,616
GS Mortgage Securities Trust		
Series 2016-GS4, Class A3, 3.178%, 11/10/2049	3,000,000	3,161,885
Series 2017-GS5, Class A3, 3.409%, 03/10/2050	3,000,000	3,284,152
JPMBB Commercial Mortgage Securities Trust		
Series 2013-C14, Class A4 4.133%, 08/15/2046 (E)	309,151	323,871
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2013-C16, Class A4 4.166%, 12/15/2046	500,000	535,631
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2013-C7, Class A4 2.918%, 02/15/2046	240,000	246,940
Wells Fargo Commercial Mortgage Trust		
Series 2015-C29, Class AS 4.013%, 06/15/2048 (E)	500,000	544,368
		15,802,888
U.S. Government Agency – 0.3%		
Federal Home Loan Mortgage Corp.		
Series K041, Class A2, 3.171%, 10/25/2024	700,000	753,257
Series K047, Class A2, 3.329%, 05/25/2025 (E)	700,000	762,105

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan Mortgage Corp. (continued)		
Series K050, Class A2, 3.334%, 08/25/2025 (E)	\$ 700,000	\$ 764,129
		2,279,491
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$17,556,718)		\$ 18,082,379
COMMON STOCKS – 0.0%		
Energy – 0.0%		
Noble Corp. (F)	38	940
TOTAL COMMON STOCKS (Cost \$508)		\$ 940
WARRANTS – 0.0%		
Noble Corp. (Expiration Date: 2-5-28; Strike Price: \$19.27) (F)	154	1,309
Noble Corp. (Expiration Date: 2-5-28; Strike Price: \$23.13) (F)	154	1,070
TOTAL WARRANTS (Cost \$696)		\$ 2,379
SHORT-TERM INVESTMENTS – 11.4%		
Short-term funds – 11.4%		
John Hancock Collateral Trust, 0.0324% (G)(H)	397,568	3,977,512
State Street Institutional		
U.S. Government Money Market Fund, Premier Class, 0.0250% (G)	80,575,403	80,575,403
TOTAL SHORT-TERM INVESTMENTS (Cost \$84,553,035)		\$ 84,552,915
Total Investments (Total Bond Market Trust) (Cost \$773,682,665) – 108.9%		\$ 811,103,361 (66,019,603)
Other assets and liabilities, net – (8.9%)		\$ 745,083,758
TOTAL NET ASSETS – 100.0%		\$ 745,083,758

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 6-30-21.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(E)	Variable 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)	Non-income producing security.
(G)	The rate shown is the annualized seven-day yield as of 6-30-21.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Ultra Short Term Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 1.0%		
U.S. Government Agency – 1.0%		
Federal Home Loan Mortgage Corp. 1.765%, (6 month LIBOR + 1.515%), 12/01/2035 (A)	\$ 36,563	\$ 37,475
1.815%, (6 month LIBOR + 1.565%), 12/01/2036 (A)	22,542	23,156
2.011%, (12 month LIBOR + 1.616%), 05/01/2037 (A)	75,271	79,212
2.251%, (12 month LIBOR + 1.642%), 09/01/2043 (A)	364,783	380,567
2.274%, (12 month LIBOR + 1.628%), 02/01/2036 (A)	57,574	60,418
2.290%, (1 Year CMT + 2.165%), 11/01/2036 (A)	102,342	107,749
2.298%, (1 Year CMT + 2.091%), 12/01/2035 (A)	112,269	117,242
2.356%, (1 Year CMT + 2.231%), 05/01/2034 (A)	107,171	112,303
2.447%, (12 month LIBOR + 1.447%), 06/01/2036 (A)	30,030	31,480
2.624%, (1 Year CMT + 2.295%), 08/01/2035 (A)	72,176	76,158
Federal National Mortgage Association 1.722%, (12 month LIBOR + 1.295%), 10/01/2038 (A)	49,089	51,034
1.741%, (6 month LIBOR + 1.491%), 10/01/2035 (A)	158,443	162,300
1.777%, (6 month LIBOR + 1.527%), 02/01/2035 (A)	85,187	88,790
1.887%, (12 month LIBOR + 1.543%), 07/01/2035 (A)	192,597	198,963
1.914%, (12 month LIBOR + 1.450%), 04/01/2035 (A)	351,948	362,998
2.322%, (1 Year CMT + 2.196%), 02/01/2035 (A)	131,827	139,262
2.325%, (1 Year CMT + 2.176%), 01/01/2036 (A)	118,112	123,541
2.326%, (1 Year CMT + 2.196%), 05/01/2036 (A)	223,874	234,519
2.337%, (1 Year CMT + 2.176%), 01/01/2036 (A)	48,630	50,872
2.458%, (1 Year CMT + 2.333%), 05/01/2034 (A)	47,821	50,245
2.479%, (1 Year CMT + 2.274%), 07/01/2035 (A)	111,054	116,777
Government National Mortgage Association 2.250%, (1 Year CMT + 1.500%), 08/20/2032 to 08/20/2035 (A)	240,259	247,980
		2,853,041
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,862,952)		\$ 2,853,041
CORPORATE BONDS – 51.7%		
Communication services – 2.9%		
AT&T, Inc. 3.000%, 06/30/2022	3,200,000	3,272,095
Charter Communications Operating LLC 4.464%, 07/23/2022	2,000,000	2,070,578
Verizon Communications, Inc. 0.750%, 03/22/2024	3,000,000	3,012,893
		8,355,566
Consumer discretionary – 4.3%		
American Honda Finance Corp. 3.375%, 12/10/2021	2,000,000	2,028,019

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Daimler Finance North America LLC 2.850%, 01/06/2022 (B)	\$ 2,000,000	\$ 2,025,281
eBay, Inc. 2.750%, 01/30/2023	3,000,000	3,104,512
Toyota Motor Credit Corp. 1.150%, 05/26/2022	2,000,000	2,017,153
Volkswagen Group of America Finance LLC 3.125%, 05/12/2023 (B)	3,000,000	3,132,656
		12,307,621
Consumer staples – 1.0%		
The Kroger Company 2.800%, 08/01/2022	2,791,000	2,858,377
Energy – 3.3%		
Energy Transfer Operating LP 4.500%, 11/01/2023	3,000,000	3,219,715
Halliburton Company 3.250%, 11/15/2021	3,000,000	3,010,353
The Williams Companies, Inc. 4.500%, 11/15/2023	3,000,000	3,247,615
		9,477,683
Financials – 25.5%		
Alexander Funding Trust 1.841%, 11/15/2023 (B)	3,000,000	3,054,802
Athene Global Funding 0.950%, 01/08/2024 (B)	3,000,000	3,002,406
Bank of America Corp. 2.503%, 10/21/2022	1,500,000	1,510,047
4.000%, 04/01/2024	2,000,000	2,181,848
Bank of Montreal 2.900%, 03/26/2022	2,000,000	2,040,170
BNP Paribas SA 2.950%, 05/23/2022 (B)	2,000,000	2,047,536
Capital One Financial Corp. 3.750%, 04/24/2024	3,176,000	3,431,164
Citigroup, Inc. (2.876% to 7-24-22, then 3 month LIBOR + 0.950%) 2.876%, 07/24/2023	3,000,000	3,077,024
Credit Suisse Group Funding Guernsey, Ltd. 3.800%, 09/15/2022	3,000,000	3,121,745
Danske Bank A/S 2.000%, 09/08/2021 (B)	2,000,000	2,006,359
Five Corners Funding Trust 4.419%, 11/15/2023 (B)	3,000,000	3,270,569
ING Groep NV 3.150%, 03/29/2022	2,000,000	2,042,963
JPMorgan Chase & Co. (1.514% to 6-1-23, then SOFR + 1.455%) 1.514%, 06/01/2024	5,000,000	5,098,582
KeyBank NA 3.300%, 02/01/2022	2,000,000	2,036,226
Lloyds Banking Group PLC 3.000%, 01/11/2022	2,000,000	2,029,156
Metropolitan Life Global Funding I 3.375%, 01/11/2022 (B)	3,000,000	3,050,020
Morgan Stanley (3.737% to 4-24-23, then 3 month LIBOR + 0.847%) 3.737%, 04/24/2024	3,000,000	3,172,817
NatWest Markets PLC 3.625%, 09/29/2022 (B)	5,000,000	5,200,117
Santander Holdings USA, Inc. 3.244%, 10/05/2026	3,000,000	3,204,362

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

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	\$ 3,195,125
The Bank of Nova Scotia 1.950%, 02/01/2023	3,000,000	3,075,714
The Goldman Sachs Group, Inc. 5.750%, 01/24/2022	2,000,000	2,061,858
The PNC Financial Services Group, Inc. 3.300%, 03/08/2022	2,000,000	2,036,679
Truist Bank 2.625%, 01/15/2022	3,000,000	3,033,128
U.S. Bancorp 3.000%, 03/15/2022	2,000,000	2,034,708
Wells Fargo & Company 3.750%, 01/24/2024	3,000,000	3,226,348
		73,241,473
Health care – 3.5%		
Abbott Laboratories 2.550%, 03/15/2022	3,000,000	3,049,000
Bayer US Finance LLC 3.000%, 10/08/2021 (B)	2,000,000	2,014,243
Bristol-Myers Squibb Company 2.250%, 08/15/2021	2,000,000	2,004,873
Cigna Corp. 0.613%, 03/15/2024	3,000,000	2,998,461
		10,066,577
Industrials – 3.1%		
AerCap Ireland Capital DAC 3.150%, 02/15/2024	2,000,000	2,099,260
CNH Industrial Capital LLC 4.375%, 04/05/2022	2,500,000	2,571,733
IHS Markit, Ltd. 5.000%, 11/01/2022 (B)	2,000,000	2,095,078
The Boeing Company 2.300%, 08/01/2021	2,000,000	2,002,863
		8,768,934
Information technology – 4.0%		
Hewlett Packard Enterprise Company 4.400%, 10/15/2022	2,000,000	2,086,950
IBM Corp. 2.850%, 05/13/2022	2,835,000	2,900,099
NXP BV 4.875%, 03/01/2024 (B)	3,000,000	3,302,406
Oracle Corp. 2.625%, 02/15/2023	3,000,000	3,100,572
		11,390,027
Materials – 2.1%		
Georgia-Pacific LLC 0.625%, 05/15/2024 (B)	3,000,000	2,987,676
Graphic Packaging International LLC 0.821%, 04/15/2024 (B)	3,000,000	2,977,798
		5,965,474
Utilities – 2.0%		
Eversource Energy 2.800%, 05/01/2023	2,000,000	2,072,710
FirstEnergy Corp. 4.750%, 03/15/2023	1,675,000	1,768,048
Southern California Edison Company 2.400%, 02/01/2022	2,000,000	2,016,941
		5,857,699
TOTAL CORPORATE BONDS (Cost \$147,053,541)		\$ 148,289,431

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS – 0.7%		
Port Authority of New York & New Jersey 1.086%, 07/01/2023	\$ 2,000,000	\$ 2,025,452
TOTAL MUNICIPAL BONDS (Cost \$2,000,000)		\$ 2,025,452
COLLATERALIZED MORTGAGE OBLIGATIONS – 1.1%		
Commercial and residential – 0.8%		
COLT Mortgage Loan Trust Series 2020-3, Class A1 1.506%, 04/27/2065 (B)(C)	682,336	684,974
Vista Point Securitization Trust Series 2020-1, Class A1 1.763%, 03/25/2065 (B)(C)	1,619,507	1,634,713
		2,319,687
U.S. Government Agency – 0.3%		
Federal National Mortgage Association Series 2013-10, Class FT (1 month LIBOR + 0.350%) 0.442%, 04/25/2042 (A)	696,034	698,151
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$2,999,366)		\$ 3,017,838
ASSET BACKED SECURITIES – 11.5%		
Ally Auto Receivables Trust Series 2019-3, Class A3 1.930%, 05/15/2024	668,144	675,250
Series 2019-4, Class A3 1.840%, 06/17/2024	2,706,250	2,730,788
American Tower Trust Series 2013, Class 2A 3.070%, 03/15/2048 (B)	2,500,000	2,512,161
CarMax Auto Owner Trust Series 2017-3, Class A4 2.220%, 11/15/2022	147,072	147,440
Series 2017-4, Class A4 2.330%, 05/15/2023	1,083,520	1,089,542
Series 2018-1, Class A4 2.640%, 06/15/2023	505,000	510,614
Series 2018-4, Class A3 3.360%, 09/15/2023	524,788	531,901
Series 2019-1, Class A3 3.050%, 03/15/2024	1,215,828	1,234,484
Series 2020-2, Class A2A 1.750%, 01/17/2023	118,017	118,205
CCG Receivables Trust Series 2019-1, Class B 3.220%, 09/14/2026 (B)	1,140,000	1,175,707
Enterprise Fleet Financing LLC Series 2018-3, Class A2 3.380%, 05/20/2024 (B)	55,818	56,091
Flagship Credit Auto Trust Series 2018-2, Class D 4.230%, 09/16/2024 (B)	1,140,000	1,196,509
Series 2019-2, Class A 2.830%, 10/16/2023 (B)	987,688	994,007
Ford Credit Auto Lease Trust Series 2020-A, Class A3 1.850%, 03/15/2023	983,000	988,163
Ford Credit Auto Owner Trust Series 2018-A, Class A3 3.030%, 11/15/2022	365,278	366,355
Series 2020-A, Class A2 1.030%, 10/15/2022	482,594	483,058
GM Financial Automobile Leasing Trust Series 2019-3, Class A3 2.030%, 06/20/2022	496,766	497,980

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
GM Financial Consumer Automobile Receivables Trust Series 2018-1, Class A4 2.460%, 07/17/2023	\$ 1,058,596	\$ 1,063,909
Honda Auto Receivables Owner Trust Series 2018-3, Class A3 2.950%, 08/22/2022	332,069	333,792
Series 2020-2, Class A2 0.740%, 11/15/2022	131,195	131,357
HPEFS Equipment Trust Series 2019-1A, Class A3 2.210%, 09/20/2029 (B)	734,298	736,542
Series 2020-2A, Class A2 0.650%, 07/22/2030 (B)	1,325,036	1,326,675
Nissan Auto Lease Trust Series 2019-A, Class A3 2.760%, 03/15/2022	18,303	18,322
Series 2019-A, Class A4 2.780%, 07/15/2024	360,000	360,960
Series 2019-B, Class A4 2.290%, 04/15/2025	462,000	466,137
Nissan Auto Receivables Owner Trust Series 2018-A, Class A4 2.890%, 06/17/2024	3,477,424	3,510,776
Series 2018-B, Class A3 3.060%, 03/15/2023	522,637	528,376
Series 2019-A, Class A3 2.900%, 10/16/2023	1,728,688	1,751,902
Series 2019-B, Class A3 2.500%, 11/15/2023	2,172,061	2,201,690
Santander Consumer Auto Receivables Trust Series 2020-AA, Class A 1.370%, 10/15/2024 (B)	632,062	636,104
SMB Private Education Loan Trust Series 2015-A, Class A2A 2.490%, 06/15/2027 (B)	366,145	368,919
Tesla Auto Lease Trust Series 2018-B, Class A 3.710%, 08/20/2021 (B)	17,637	17,671
Toyota Auto Receivables Owner Trust Series 2018-B, Class A3 2.960%, 09/15/2022	310,184	311,417
Series 2020-B, Class A2 1.380%, 12/15/2022	198,707	199,167
Verizon Owner Trust Series 2018-A, Class A1A 3.230%, 04/20/2023	464,113	467,308
Westlake Automobile Receivables Trust Series 2018-3A, Class C 3.610%, 10/16/2023 (B)	903,958	906,047
Series 2019-2A, Class C 2.840%, 07/15/2024 (B)	1,000,000	1,013,972
World Omni Auto Receivables Trust Series 2017-B, Class A3 1.950%, 02/15/2023	438,119	439,581
Series 2018-C, Class A3 3.130%, 11/15/2023	334,996	338,675
Series 2018-D, Class A3 3.330%, 04/15/2024	342,877	347,885

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
World Omni Auto Receivables Trust (continued) Series 2020-A, Class A2A 1.020%, 06/15/2023	\$ 92,688	\$ 92,842
World Omni Automobile Lease Securitization Trust Series 2019-A, Class A3 2.940%, 05/16/2022	163,250	163,549
TOTAL ASSET BACKED SECURITIES (Cost \$33,269,310)		\$ 33,041,830
SHORT-TERM INVESTMENTS – 33.3%		
Commercial paper – 13.8%		
Apple, Inc. 0.020%, 09/08/2021 *	3,000,000	2,999,749
Chariot Acquisition LLC 0.070%, 09/13/2021 *	3,000,000	2,999,438
Cooperative Centrale 0.050%, 08/03/2021 *	3,000,000	2,999,802
Honeywell International, Inc. 0.060%, 10/15/2021 *	1,000,000	999,762
Johnson & Johnson 0.010%, 07/08/2021 *	2,150,000	2,149,985
Lime Funding LLC 0.110%, 07/21/2021 *	3,000,000	2,999,843
Manhattan Asset Funding Company LLC 0.080%, 08/24/2021 *	3,000,000	2,999,510
MUFG Bank, Ltd. 0.050%, 07/20/2021 *	3,000,000	2,999,893
National Rural Utilities Cooperative Finance Corp. 0.070%, 07/01/2021 *	3,000,000	2,999,994
Novartis AG 0.020%, 07/30/2021 *	3,000,000	2,999,850
Province of British Columbia 0.060%, 09/02/2021 *	2,000,000	1,999,712
Salt River Project Agricultural Improvement & Power District 0.070%, 08/17/2021 *	3,000,000	2,999,633
The University of California 0.040%, 08/17/2021 *	1,000,000	999,931
The University of Chicago 0.030%, 07/15/2021 *	3,000,000	2,999,928
Yale University 0.040%, 08/17/2021 *	1,400,000	1,399,851
0.060%, 08/17/2021 *	2,000,000	1,999,787
		39,546,668
U.S. Government – 16.4%		
U.S. Treasury Bill 0.009%, 07/08/2021 *	13,000,000	12,999,902
0.041%, 07/22/2021 *	11,000,000	10,999,694
0.048%, 08/10/2021 *	15,000,000	14,999,204
0.050%, 08/24/2021 *	8,000,000	7,999,460
		46,998,260
Short-term funds – 3.1%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0250% (D)	8,816,874	8,816,874
TOTAL SHORT-TERM INVESTMENTS (Cost \$95,362,860)		\$ 95,361,802
Total Investments (Ultra Short Term Bond Trust) (Cost \$283,548,029) – 99.3%		\$ 284,589,394
Other assets and liabilities, net – 0.7%		2,052,150
TOTAL NET ASSETS – 100.0%		\$ 286,641,544

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2021 (unaudited) (showing percentage of total net assets)

Ultra Short Term Bond Trust (continued)

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$53,427,039 or 18.6% of the fund's net assets as of 6-30-21.
(C)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(D)	The rate shown is the annualized seven-day yield as of 6-30-21.
*	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.