

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 35.3%		
U.S. Government – 14.5%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 2,000,000	\$ 1,272,500
1.625%, 11/15/2050	6,500,000	4,571,582
1.875%, 02/15/2041	6,000,000	4,705,547
2.000%, 08/15/2051	3,000,000	2,318,555
2.250%, 05/15/2041 to 02/15/2052	25,900,000	21,349,343
2.500%, 02/15/2045	7,566,000	6,416,914
2.875%, 05/15/2052	3,399,000	3,210,462
3.000%, 02/15/2047	3,420,000	3,193,559
3.250%, 05/15/2042	4,288,000	4,184,820
U.S. Treasury Notes		
1.125%, 02/15/2031	3,000,000	2,577,891
1.375%, 11/15/2031	4,000,000	3,469,375
1.625%, 05/15/2031	3,000,000	2,680,547
2.375%, 05/15/2027	6,000,000	5,808,281
2.625%, 05/31/2027	748,000	733,858
2.875%, 08/15/2028 to 05/15/2032	16,389,000	16,198,062
		82,691,296
U.S. Government Agency – 20.8%		
Federal Home Loan Mortgage Corp.		
2.000%, 11/01/2051 to 01/01/2052	1,275,448	1,111,628
2.500%, 08/01/2050 to 12/01/2051	2,143,368	1,941,690
3.000%, 03/01/2043 to 12/01/2049	5,094,180	4,829,689
3.500%, 10/01/2046 to 04/01/2052	14,536,494	14,166,192
4.000%, 01/01/2041 to 08/01/2048	619,263	623,430
4.500%, 09/01/2023 to 10/01/2041	1,186,551	1,225,647
Federal National Mortgage Association		
2.000%, 09/01/2050 to 02/01/2052	4,827,833	4,217,740
2.189%, (12 month LIBOR + 1.607%), 08/01/2034 (A)	191,799	195,015
2.500%, 09/01/2050 to 03/01/2052	9,206,877	8,324,439
3.000%, 01/01/2043 to 03/01/2052	31,591,042	29,699,248
3.372%, (6 month LIBOR + 2.122%), 07/01/2033 (A)	15,571	16,022
3.500%, 06/01/2042 to 05/01/2052	22,142,206	21,516,929
4.000%, TBA (B)	2,775,000	2,735,542
4.000%, 10/01/2025 to 05/01/2052	19,728,072	19,668,798
4.500%, TBA (B)	2,311,000	2,319,486
4.500%, 05/01/2041	880,961	912,113
5.000%, 12/01/2034 to 02/01/2036	1,011,667	1,059,350
5.500%, 09/01/2034 to 01/01/2037	1,317,863	1,408,122
6.000%, 05/01/2035 to 02/01/2036	974,823	1,059,304
7.000%, 09/01/2031 to 06/01/2032	93,339	103,070
7.500%, 09/01/2029 to 08/01/2031	11,745	12,739
Government National Mortgage Association		
4.000%, 02/15/2041	814,873	823,756
5.000%, 04/15/2035	131,829	137,607
5.500%, 03/15/2035	45,348	48,096
6.000%, 03/15/2033 to 06/15/2033	107,502	115,144
6.500%, 09/15/2028 to 08/15/2031	15,817	16,803
7.000%, 04/15/2029	21,426	22,926
8.000%, 10/15/2026	10,206	10,830
		118,321,355
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$212,085,592)		\$ 201,012,651
FOREIGN GOVERNMENT OBLIGATIONS – 0.7%		
Argentina – 0.1%		
Republic of Argentina		
(2.500% to 7-9-22, then 3.500% to 7-9-29, then 4.875% thereafter), 07/09/2041	1,219,000	326,338

Active Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Argentina (continued)		
Republic of Argentina, GDP-Linked Note		
7.252%, 12/15/2035 (C)*	ARS 19,532,033	\$ 1,513,327,851
Germany – 0.2%		
Federal Republic of Germany		
6.250%, 01/04/2030	EUR 725,000	1,033,504
Mexico – 0.1%		
Government of Mexico		
8.000%, 12/07/2023	MXN 11,861,100	578,389
Panama – 0.1%		
Republic of Panama		
8.875%, 09/30/2027	\$ 344,000	404,238
9.375%, 04/01/2029	130,000	158,790
		563,028
Qatar – 0.1%		
State of Qatar		
3.375%, 03/14/2024 (D)	323,000	321,600
5.103%, 04/23/2048 (D)	255,000	266,879
		588,479
Saudi Arabia – 0.1%		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (D)	601,000	609,360
United Kingdom – 0.0%		
Government of United Kingdom		
6.000%, 12/07/2028	GBP 85,000	128,461
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$4,483,953)		\$ 3,829,072
CORPORATE BONDS – 44.9%		
Communication services – 4.7%		
AMC Entertainment Holdings, Inc.		
10.000%, 06/15/2026 (D)(E)	\$ 421,000	279,523
AT&T, Inc.		
3.500%, 06/01/2041	484,000	386,463
3.650%, 06/01/2051	487,000	380,896
4.350%, 06/15/2045	285,000	248,825
7.625%, 04/15/2031	451,000	537,892
C&W Senior Financing DAC		
6.875%, 09/15/2027 (D)	315,000	282,713
Cable One, Inc.		
4.000%, 11/15/2030 (D)	126,000	103,506
CCO Holdings LLC		
4.500%, 06/01/2033 (D)	210,000	165,484
Charter Communications Operating LLC		
2.800%, 04/01/2031	400,000	320,343
3.900%, 06/01/2052	236,000	163,835
4.200%, 03/15/2028	581,000	542,828
4.800%, 03/01/2050	715,000	566,537
5.750%, 04/01/2048	643,000	576,356
6.484%, 10/23/2045	505,000	490,946
Clear Channel Outdoor Holdings, Inc.		
7.750%, 04/15/2028 (D)	95,000	69,119
Comcast Corp.		
3.969%, 11/01/2047	633,000	547,368
3.999%, 11/01/2049	761,000	663,594
Connect Finco SARL		
6.750%, 10/01/2026 (D)	301,000	270,488
Deutsche Telekom International Finance BV		
8.750%, 06/15/2030	758,000	934,556
Fox Corp.		
3.500%, 04/08/2030	400,000	362,936

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
GCI LLC		
4.750%, 10/15/2028 (D)	\$ 175,000	\$ 151,629
Globo Comunicacao e Participacoes SA		
4.875%, 01/22/2030 (D)	400,000	312,752
Level 3 Financing, Inc.		
3.400%, 03/01/2027 (D)	377,000	324,721
Lions Gate Capital Holdings LLC		
5.500%, 04/15/2029 (D)	289,000	225,420
Live Nation Entertainment, Inc.		
4.750%, 10/15/2027 (D)	355,000	314,715
Lumen Technologies, Inc.		
7.600%, 09/15/2039	1,000,000	784,280
Magallanes, Inc.		
4.279%, 03/15/2032 (D)	569,000	508,539
Match Group Holdings II LLC		
3.625%, 10/01/2031 (D)	139,000	109,463
4.125%, 08/01/2030 (D)	234,000	195,415
Millicom International Cellular SA		
6.250%, 03/25/2029 (D)	214,200	186,354
MTN Mauritius Investments, Ltd.		
4.755%, 11/11/2024 (D)	140,000	135,729
Netflix, Inc.		
4.375%, 11/15/2026	700,000	674,457
4.875%, 04/15/2028	562,000	528,870
4.875%, 06/15/2030 (D)	277,000	253,523
5.375%, 11/15/2029 (D)	120,000	113,400
5.875%, 11/15/2028	487,000	476,145
News Corp.		
3.875%, 05/15/2029 (D)	209,000	180,464
5.125%, 02/15/2032 (D)	107,000	94,749
Paramount Global		
4.375%, 03/15/2043	642,000	496,527
Playtika Holding Corp.		
4.250%, 03/15/2029 (D)	57,000	47,025
Radiate Holdco LLC		
6.500%, 09/15/2028 (D)	225,000	173,897
Sirius XM Radio, Inc.		
4.000%, 07/15/2028 (D)	357,000	308,805
5.000%, 08/01/2027 (D)	373,000	345,965
SoftBank Group Corp. (6.875% to 7-19-27, then 5 Year ICE Swap Rate + 4.854%) 07/19/2027 (F)	404,000	331,280
Sprint Capital Corp.		
6.875%, 11/15/2028	400,000	420,608
Sprint Corp.		
7.875%, 09/15/2023	261,000	269,036
Stagwell Global LLC		
5.625%, 08/15/2029 (D)	523,000	420,246
Switch, Ltd.		
3.750%, 09/15/2028 (D)	81,000	80,121
Take-Two Interactive Software, Inc.		
3.300%, 03/28/2024	331,000	326,585
3.550%, 04/14/2025	187,000	183,931
Telecom Argentina SA		
8.000%, 07/18/2026 (D)	169,000	157,991
Telefonica Emisiones SA		
5.213%, 03/08/2047	477,000	422,728
Telesat Canada		
5.625%, 12/06/2026 (D)	112,000	70,776
Time Warner Cable LLC		
5.500%, 09/01/2041	450,000	392,811
Time Warner Entertainment Company LP		
8.375%, 07/15/2033	300,000	347,002
T-Mobile USA, Inc.		
2.050%, 02/15/2028	454,000	394,158

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
T-Mobile USA, Inc. (continued)		
2.550%, 02/15/2031	\$ 222,000	\$ 186,801
2.875%, 02/15/2031	59,000	48,984
3.375%, 04/15/2029	372,000	325,500
3.750%, 04/15/2027	300,000	288,876
3.875%, 04/15/2030	985,000	919,257
4.500%, 04/15/2050	671,000	595,381
Total Play Telecomunicaciones SA de CV		
6.375%, 09/20/2028 (D)	278,000	218,842
7.500%, 11/12/2025 (D)	480,000	420,110
Townsquare Media, Inc.		
6.875%, 02/01/2026 (D)	102,000	90,856
Twitter, Inc.		
3.875%, 12/15/2027 (D)	169,000	159,326
Univision Communications, Inc.		
4.500%, 05/01/2029 (D)	111,000	92,910
7.375%, 06/30/2030 (D)	30,000	29,325
Verizon Communications, Inc.		
4.272%, 01/15/2036	1,311,000	1,234,331
4.329%, 09/21/2028	697,000	693,204
4.400%, 11/01/2034	242,000	231,886
4.522%, 09/15/2048	978,000	924,759
4.672%, 03/15/2055	397,000	378,066
5.012%, 08/21/2054	335,000	340,306
Videotron, Ltd.		
3.625%, 06/15/2029 (D)	171,000	138,811
Vodafone Group PLC (7.000% to 1-4-29, then 5 Year U.S. Swap Rate + 4.873%) 04/04/2079	472,000	463,008
WMG Acquisition Corp.		
3.000%, 02/15/2031 (D)	358,000	277,686
3.875%, 07/15/2030 (D)	287,000	238,655
		26,951,205
Consumer discretionary – 4.8%		
Affinity Gaming		
6.875%, 12/15/2027 (D)	159,000	133,566
Amazon.com, Inc.		
4.050%, 08/22/2047	385,000	360,361
Aptiv PLC		
3.250%, 03/01/2032	147,000	124,890
Asbury Automotive Group, Inc.		
4.625%, 11/15/2029 (D)	50,000	41,313
4.750%, 03/01/2030	175,000	143,894
AutoNation, Inc.		
4.750%, 06/01/2030	166,000	156,154
AutoZone, Inc.		
3.125%, 04/21/2026	535,000	515,919
Booking Holdings, Inc.		
4.625%, 04/13/2030	406,000	403,679
Brinker International, Inc.		
3.875%, 05/15/2023 (E)	740,000	728,841
Brookfield Residential Properties, Inc.		
5.000%, 06/15/2029 (D)	154,000	116,435
Caesars Resort Collection LLC		
5.750%, 07/01/2025 (D)	116,000	110,932
CCM Merger, Inc.		
6.375%, 05/01/2026 (D)	139,000	126,549
Century Communities, Inc.		
3.875%, 08/15/2029 (D)	343,000	268,295
6.750%, 06/01/2027	242,000	232,129
Choice Hotels International, Inc.		
3.700%, 12/01/2029 to 01/15/2031	445,000	397,458
Daimler Finance North America LLC		
3.500%, 08/03/2025 (D)	160,000	157,014

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Dealer Tire LLC		
8.000%, 02/01/2028 (D)	\$ 122,000	\$ 105,396
Dollar Tree, Inc.		
4.200%, 05/15/2028	616,000	598,360
eBay, Inc.		
2.700%, 03/11/2030	439,000	375,159
Empire Communities Corp.		
7.000%, 12/15/2025 (D)	75,000	59,250
Expedia Group, Inc.		
2.950%, 03/15/2031	293,000	233,052
3.250%, 02/15/2030	455,000	379,460
3.800%, 02/15/2028	581,000	529,499
4.625%, 08/01/2027	409,000	392,948
5.000%, 02/15/2026	1,208,000	1,207,886
Ford Motor Company		
3.250%, 02/12/2032	177,000	132,378
Ford Motor Credit Company LLC		
4.000%, 11/13/2030	225,000	182,307
4.125%, 08/17/2027	346,000	304,653
4.134%, 08/04/2025	909,000	860,991
5.113%, 05/03/2029	532,000	476,924
Full House Resorts, Inc.		
8.250%, 02/15/2028 (D)	134,000	107,103
GEMS MENASA Cayman, Ltd.		
7.125%, 07/31/2026 (D)	221,000	208,478
General Motors Company		
5.400%, 04/01/2048	140,000	121,786
General Motors Financial Company, Inc.		
2.400%, 10/15/2028	805,000	668,569
3.600%, 06/21/2030	786,000	679,114
4.350%, 01/17/2027	404,000	387,560
Group 1 Automotive, Inc.		
4.000%, 08/15/2028 (D)	44,000	36,774
Hilton Domestic Operating Company, Inc.		
3.625%, 02/15/2032 (D)	259,000	205,743
4.000%, 05/01/2031 (D)	178,000	147,918
4.875%, 01/15/2030	307,000	277,451
5.750%, 05/01/2028 (D)	95,000	90,329
Hilton Grand Vacations Borrower Escrow LLC		
4.875%, 07/01/2031 (D)	187,000	142,735
5.000%, 06/01/2029 (D)	238,000	192,780
Hyatt Hotels Corp.		
1.800%, 10/01/2024	216,000	204,165
3.375%, 07/15/2023	660,000	645,722
6.000%, 04/23/2030	176,000	177,209
Hyundai Capital America		
1.000%, 09/17/2024 (D)	409,000	379,541
1.800%, 10/15/2025 (D)	201,000	183,831
2.375%, 10/15/2027 (D)	201,000	176,816
International Game Technology PLC		
6.500%, 02/15/2025 (D)	125,000	124,375
Jacobs Entertainment, Inc.		
6.750%, 02/15/2029 (D)	104,000	87,946
KB Home		
4.000%, 06/15/2031	264,000	203,610
7.250%, 07/15/2030	56,000	53,062
Ken Garff Automotive LLC		
4.875%, 09/15/2028 (D)	169,000	137,785
LCM Investments Holdings II LLC		
4.875%, 05/01/2029 (D)	96,000	73,066
Levi Strauss & Company		
3.500%, 03/01/2031 (D)(E)	91,000	74,393

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Life Time, Inc.		
8.000%, 04/15/2026 (D)	\$ 119,000	\$ 106,059
Lithia Motors, Inc.		
3.875%, 06/01/2029 (D)	101,000	85,787
4.375%, 01/15/2031 (D)	101,000	86,103
4.625%, 12/15/2027 (D)	50,000	45,831
Macy's Retail Holdings LLC		
5.875%, 04/01/2029 to 03/15/2030 (D)	89,000	75,542
6.125%, 03/15/2032 (D)	34,000	28,390
Marriott International, Inc.		
2.850%, 04/15/2031	315,000	261,223
3.125%, 06/15/2026	1,169,000	1,115,380
4.625%, 06/15/2030	308,000	295,275
Marriott Ownership Resorts, Inc.		
4.500%, 06/15/2029 (D)	42,000	34,930
McDonald's Corp.		
3.600%, 07/01/2030	500,000	475,971
4.200%, 04/01/2050	500,000	446,541
MDC Holdings, Inc.		
2.500%, 01/15/2031	155,000	114,409
MGM Resorts International		
4.750%, 10/15/2028	387,000	325,448
Midwest Gaming Borrower LLC		
4.875%, 05/01/2029 (D)	243,000	198,045
Mohegan Gaming & Entertainment		
8.000%, 02/01/2026 (D)	298,000	253,300
NCL Corp., Ltd.		
3.625%, 12/15/2024 (D)	700,000	582,228
New Red Finance, Inc.		
4.000%, 10/15/2030 (D)	553,000	443,783
NIKE, Inc.		
2.750%, 03/27/2027	500,000	481,167
2.850%, 03/27/2030	500,000	459,335
Nissan Motor Acceptance Company LLC		
1.125%, 09/16/2024 (D)	205,000	188,406
Papa John's International, Inc.		
3.875%, 09/15/2029 (D)	44,000	36,296
Premier Entertainment Sub LLC		
5.625%, 09/01/2029 (D)	176,000	125,305
5.875%, 09/01/2031 (D)	479,000	332,432
Resorts World Las Vegas LLC		
4.625%, 04/16/2029 (D)	300,000	243,900
Service Corp. International		
4.000%, 05/15/2031	259,000	221,121
Specialty Building Products Holdings LLC		
6.375%, 09/30/2026 (D)	33,000	26,829
Target Corp.		
2.250%, 04/15/2025	500,000	482,648
The Home Depot, Inc.		
2.500%, 04/15/2027	500,000	472,050
2.700%, 04/15/2030	500,000	453,521
The TJX Companies, Inc.		
3.875%, 04/15/2030	400,000	389,234
4.500%, 04/15/2050 (E)	400,000	397,648
Toll Brothers Finance Corp.		
3.800%, 11/01/2029 (E)	74,000	62,775
Travel + Leisure Company		
4.625%, 03/01/2030 (D)	101,000	78,275
6.000%, 04/01/2027	700,000	634,008
6.600%, 10/01/2025	147,000	142,690
Wyndham Hotels & Resorts, Inc.		
4.375%, 08/15/2028 (D)	133,000	116,330
Yum! Brands, Inc.		
3.625%, 03/15/2031	252,000	211,680

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Yum! Brands, Inc. (continued)		
4.750%, 01/15/2030 (D)	\$ 131,000	\$ 118,883
5.350%, 11/01/2043	600,000	497,254
6.875%, 11/15/2037	292,000	296,380
		27,085,965
Consumer staples – 1.9%		
Advantage Sales & Marketing, Inc.		
6.500%, 11/15/2028 (D)	296,000	253,811
Albertsons Companies, Inc.		
3.250%, 03/15/2026 (D)	101,000	87,966
3.500%, 03/15/2029 (D)	359,000	290,544
Anheuser-Busch InBev Worldwide, Inc.		
4.439%, 10/06/2048	730,000	640,254
4.600%, 04/15/2048	385,000	345,650
BRF SA		
5.750%, 09/21/2050 (D)	285,000	189,642
Bunge, Ltd. Finance Corp.		
3.250%, 08/15/2026 (E)	500,000	474,544
Coruripe Netherlands BV		
10.000%, 02/10/2027 (D)	260,000	223,612
Darling Ingredients, Inc.		
6.000%, 06/15/2030 (D)	81,000	80,729
Edgewell Personal Care Company		
4.125%, 04/01/2029 (D)	164,000	135,360
5.500%, 06/01/2028 (D)	278,000	252,952
Fomento Economico Mexicano SAB de CV		
4.375%, 05/10/2043	1,000,000	892,427
General Mills, Inc.		
2.875%, 04/15/2030	400,000	354,323
JBS Finance Luxembourg Sarl		
3.625%, 01/15/2032 (D)	271,000	218,833
JBS USA LUX SA		
3.750%, 12/01/2031 (D)	86,000	70,553
5.125%, 02/01/2028 (D)	155,000	151,361
5.750%, 04/01/2033 (D)	424,000	403,771
Keurig Dr. Pepper, Inc.		
3.200%, 05/01/2030	560,000	500,999
Kraft Heinz Foods Company		
4.375%, 06/01/2046	452,000	376,699
4.875%, 10/01/2049	80,000	70,660
5.000%, 06/04/2042	175,000	159,879
5.500%, 06/01/2050	272,000	261,097
MARB BondCo PLC		
3.950%, 01/29/2031 (D)	308,000	236,473
NBM US Holdings, Inc.		
6.625%, 08/06/2029 (D)	274,000	263,040
Oriflame Investment Holding PLC		
5.125%, 05/04/2026 (D)	270,000	170,775
PepsiCo, Inc.		
2.750%, 03/19/2030	500,000	460,972
Post Holdings, Inc.		
5.500%, 12/15/2029 (D)	243,000	217,237
Reynolds American, Inc.		
4.850%, 09/15/2023	1,000,000	1,009,910
Sysco Corp.		
5.950%, 04/01/2030	355,000	378,487
6.600%, 04/01/2050	1,000,000	1,153,170
The Estee Lauder Companies, Inc.		
2.600%, 04/15/2030	400,000	359,087
U.S. Foods, Inc.		
4.750%, 02/15/2029 (D)	216,000	188,825
		10,873,642

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy – 4.5%		
Aker BP ASA		
3.000%, 01/15/2025 (D)	\$ 165,000	\$ 159,347
3.750%, 01/15/2030 (D)	200,000	179,173
4.000%, 01/15/2031 (D)	523,000	469,780
Altera Infrastructure LP		
8.500%, 07/15/2023 (D)	227,000	122,126
Anadarko Petroleum Corp.		
4.500%, 07/15/2044 (E)	400,000	275,052
5.550%, 03/15/2026	800,000	768,416
Antero Midstream Partners LP		
5.375%, 06/15/2029 (D)	233,000	208,665
Antero Resources Corp.		
5.375%, 03/01/2030 (D)	90,000	82,064
Apache Corp.		
5.100%, 09/01/2040	325,000	274,424
Ascent Resources Utica Holdings LLC		
5.875%, 06/30/2029 (D)	296,000	260,480
Boardwalk Pipelines LP		
3.375%, 02/01/2023	850,000	847,340
Buckeye Partners LP		
3.950%, 12/01/2026	500,000	437,364
Cameron International Corp.		
5.950%, 06/01/2041	1,178,000	1,222,920
Cheniere Energy Partners LP		
4.000%, 03/01/2031	399,000	339,270
4.500%, 10/01/2029	461,000	411,535
CNOOC Finance 2003, Ltd.		
5.500%, 05/21/2033 (D)	545,000	557,314
ConocoPhillips Company		
5.950%, 03/15/2046	30,000	34,028
Continental Resources, Inc.		
4.900%, 06/01/2044	595,000	468,438
CSI Compressco LP		
7.500%, 04/01/2025 (D)(E)	288,000	266,234
7.500%, 04/01/2025 (D)	98,000	90,593
CSI Compressco LP (10.000% Cash or 7.250% Cash and 3.500% PIK)		
10.000%, 04/01/2026 (D)	239,806	218,277
DCP Midstream Operating LP (5.850% to 5-21-23, then 3 month LIBOR + 3.850%) 05/21/2043 (D)	201,000	168,870
Devon Energy Corp.		
5.000%, 06/15/2045	600,000	556,403
7.875%, 09/30/2031	874,000	1,023,405
Diamondback Energy, Inc.		
3.125%, 03/24/2031	257,000	223,835
Enbridge Energy Partners LP		
7.500%, 04/15/2038	600,000	704,041
Enbridge, Inc. (5.500% to 7-15-27, then 3 month LIBOR + 3.418%) 07/15/2077	347,000	306,154
Enbridge, Inc. (5.750% to 4-15-30, then 5 Year CMT + 5.314%) 07/15/2080	310,000	283,439
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.641%) 03/01/2078	279,000	248,349
Energear Israel Finance, Ltd.		
5.375%, 03/30/2028 (D)	99,000	83,913
5.875%, 03/30/2031 (D)	172,000	139,680
Energy Transfer LP		
4.200%, 04/15/2027	228,000	218,869
5.150%, 03/15/2045	340,000	290,714
5.250%, 04/15/2029	661,000	654,692
5.400%, 10/01/2047	244,000	214,079
5.500%, 06/01/2027	347,000	352,209
5.950%, 10/01/2043	300,000	279,519

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Energy Transfer LP (6.500% to 11-15-26, then 5 Year CMT + 5.694%) 11/15/2026 (F)	\$ 474,000	\$ 418,977
Enterprise Products Operating LLC 6.875%, 03/01/2033	471,000	536,964
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.033%) 08/16/2077	526,000	436,991
EQM Midstream Partners LP 7.500%, 06/01/2030 (D)	22,000	21,134
EQM Midstream Partners LP 7.500%, 06/01/2027 (D)	39,000	37,617
EQT Corp. 7.500%, 02/01/2030	129,000	138,467
Hess Corp. 5.600%, 02/15/2041	400,000	389,717
5.800%, 04/01/2047 (E)	500,000	498,655
Hess Midstream Operations LP 4.250%, 02/15/2030 (D)	78,000	65,322
5.500%, 10/15/2030 (D)	31,000	27,823
Kinder Morgan Energy Partners LP 7.750%, 03/15/2032	195,000	227,381
Leviathan Bond, Ltd. 6.500%, 06/30/2027 (D)	426,000	393,386
6.750%, 06/30/2030 (D)	85,000	76,463
Lundin Energy Finance BV 3.100%, 07/15/2031 (D)	278,000	229,984
Marathon Oil Corp. 6.800%, 03/15/2032	785,000	845,302
MC Brazil Downstream Trading SARL 7.250%, 06/30/2031 (D)	276,000	219,334
Midwest Connector Capital Company LLC 3.900%, 04/01/2024 (D)	323,000	316,969
MPLX LP 4.000%, 03/15/2028	261,000	247,931
4.125%, 03/01/2027	103,000	99,582
4.250%, 12/01/2027	225,000	217,120
MPLX LP (6.875% to 2-15-23, then 3 month LIBOR + 4.652%) 02/15/2023 (F)	687,000	652,430
ONEOK Partners LP 6.650%, 10/01/2036	835,000	850,296
Ovintiv, Inc. 7.200%, 11/01/2031	55,000	60,136
Parkland Corp. 4.500%, 10/01/2029 (D)	176,000	142,673
4.625%, 05/01/2030 (D)	172,000	139,532
Petroleos Mexicanos 8.750%, 06/02/2029 (D)	298,000	269,690
Plains All American Pipeline LP 4.900%, 02/15/2045	750,000	603,157
Sabine Pass Liquefaction LLC 4.200%, 03/15/2028	195,000	187,543
4.500%, 05/15/2030	415,000	397,702
5.000%, 03/15/2027	186,000	186,450
5.875%, 06/30/2026	234,000	241,776
Sinopec Group Overseas Development 2015, Ltd. 3.250%, 04/28/2025 (D)	550,000	544,423
Southwestern Energy Company 4.750%, 02/01/2032	129,000	110,234
Sunoco LP 4.500%, 05/15/2029	96,000	79,131
4.500%, 04/30/2030 (D)	252,000	203,461

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Targa Resources Corp. 4.950%, 04/15/2052	\$ 408,000	\$ 349,636
Targa Resources Partners LP 4.000%, 01/15/2032	336,000	287,535
The Williams Companies, Inc. 3.750%, 06/15/2027	306,000	292,199
5.750%, 06/24/2044	84,000	83,775
TransCanada PipeLines, Ltd. 4.250%, 05/15/2028	220,000	214,060
Valero Energy Corp. 2.850%, 04/15/2025	400,000	386,564
Venture Global Calcasieu Pass LLC 3.875%, 08/15/2029 (D)	95,000	83,099
4.125%, 08/15/2031 (D)	158,000	135,014
		25,386,646
Financials – 10.7%		
Ambac Assurance Corp. 5.100%, 07/14/2022 (D)(F)	131	120
American International Group, Inc. 3.900%, 04/01/2026	830,000	813,222
American International Group, Inc. (6.250% to 3-15-37, then 3 month LIBOR + 2.056%) 03/15/2037	100,000	101,550
Ameriprise Financial, Inc. 2.875%, 09/15/2026	500,000	477,833
Ares Capital Corp. 2.150%, 07/15/2026	419,000	351,169
2.875%, 06/15/2028	309,000	244,802
3.875%, 01/15/2026	797,000	731,917
4.200%, 06/10/2024	279,000	273,931
Athene Holding, Ltd. 3.500%, 01/15/2031	206,000	174,397
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	230,888
AXA SA 8.600%, 12/15/2030	170,000	199,313
Banco Santander SA 4.379%, 04/12/2028	249,000	240,810
Bank of America Corp. 3.248%, 10/21/2027	375,000	352,469
3.950%, 04/21/2025	414,000	408,329
Bank of America Corp. (1.734% to 7-22-26, then SOFR + 0.960%) 07/22/2027	112,000	99,556
Bank of America Corp. (2.087% to 6-14-28, then SOFR + 1.060%) 06/14/2029	472,000	404,212
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	498,000	422,375
Bank of America Corp. (2.687% to 4-22-31, then SOFR + 1.320%) 04/22/2032	881,000	739,615
Bank of America Corp. (2.884% to 10-22-29, then 3 month LIBOR + 1.190%) 10/22/2030	500,000	436,628
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,149,000	1,145,233
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,087,000	1,012,278

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Bank of America Corp. (3.846% to 3-8-32, then 5 Year CMT + 2.000%) 03/08/2037	\$ 414,000	\$ 357,841
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	500,000	430,929
Bank of America Corp. (6.300% to 3-10-26, then 3 month LIBOR + 4.553%) 03/10/2026 (F)	667,000	661,256
Barclays PLC 4.375%, 01/12/2026	231,000	228,622
Barclays PLC (4.375% to 3-15-28, then 5 Year CMT + 3.410%) 03/15/2028 (F)	391,000	299,844
BlackRock, Inc. 1.900%, 01/28/2031	500,000	414,733
Blackstone Private Credit Fund 2.350%, 11/22/2024 (D)	351,000	322,644
2.700%, 01/15/2025 (D)	277,000	252,752
3.250%, 03/15/2027 (D)	79,000	67,025
4.000%, 01/15/2029 (D)	389,000	318,765
BPCE SA 4.500%, 03/15/2025 (D)	250,000	245,803
Capital One Financial Corp. 3.500%, 06/15/2023	1,023,000	1,017,181
3.750%, 07/28/2026	500,000	477,776
Citigroup, Inc. 3.200%, 10/21/2026	543,000	516,689
3.500%, 05/15/2023	1,060,000	1,059,470
4.600%, 03/09/2026	677,000	677,856
Citigroup, Inc. (2.561% to 5-1-31, then SOFR + 1.167%) 05/01/2032	264,000	217,368
Citigroup, Inc. (3.875% to 2-18-26, then 5 Year CMT + 3.417%) 02/18/2026 (F)	47,000	39,010
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.914%) 03/31/2031	1,000,000	955,069
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.234%) 01/30/2025 (F)	511,000	415,188
Citigroup, Inc. (6.250% to 8-15-26, then 3 month LIBOR + 4.517%) 08/15/2026 (F)	415,000	404,577
Citizens Financial Group, Inc. 3.250%, 04/30/2030	573,000	508,458
CNA Financial Corp. 2.050%, 08/15/2030	105,000	84,442
CNO Financial Group, Inc. 5.250%, 05/30/2025 to 05/30/2029	635,000	624,570
Credit Agricole SA 2.811%, 01/11/2041 (D)	279,000	192,590
3.250%, 01/14/2030 (D)	438,000	372,013
4.375%, 03/17/2025 (D)	600,000	589,778
Credit Agricole SA (7.875% to 1-23-24, then 5 Year U.S. Swap Rate + 4.898%) 01/23/2024 (D)(F)	215,000	212,039
Credit Suisse Group AG 4.550%, 04/17/2026	405,000	395,832
Deutsche Bank AG (2.311% to 11-16-26, then SOFR + 1.219%) 11/16/2027	327,000	282,195
Deutsche Bank AG (3.742% to 10-7-31, then SOFR + 2.257%) 01/07/2033	430,000	312,999
Discover Financial Services 4.100%, 02/09/2027	167,000	160,162
Enova International, Inc. 8.500%, 09/01/2024 to 09/15/2025 (D)	313,000	276,745

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Fifth Third Bancorp (5.100% to 6-30-23, then 3 month LIBOR + 3.033%) 06/30/2023 (F)	\$ 287,000	\$ 240,937
Freedom Mortgage Corp. 8.125%, 11/15/2024 (D)	203,000	175,120
8.250%, 04/15/2025 (D)	55,000	46,293
Global Atlantic Fin Company 3.125%, 06/15/2031 (D)	1,000,000	795,488
ING Groep NV (6.500% to 4-16-25, then 5 Year U.S. Swap Rate + 4.446%) 04/16/2025 (F)	135,000	127,089
Intesa Sanpaolo SpA (4.198% to 6-1-31, then 1 Year CMT + 2.600%) 06/01/2032 (D)	201,000	147,224
Jefferies Group LLC 4.150%, 01/23/2030	315,000	282,978
4.850%, 01/15/2027	271,000	271,093
JPMorgan Chase & Co. 3.375%, 05/01/2023	1,250,000	1,250,035
4.125%, 12/15/2026	600,000	594,610
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	481,000	409,677
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	439,000	379,025
JPMorgan Chase & Co. (2.963% to 1-25-32, then SOFR + 1.260%) 01/25/2033	109,000	93,561
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	414,000	403,919
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (F)	373,000	315,006
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (F)	475,000	478,171
Lazard Group LLC 4.375%, 03/11/2029	220,000	209,954
Legg Mason, Inc. 3.950%, 07/15/2024	660,000	663,400
4.750%, 03/15/2026	825,000	842,924
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (D)	500,000	359,382
4.250%, 06/15/2023 (D)	1,000,000	999,261
5.500%, 06/15/2052 (D)	60,000	56,831
Liberty Mutual Group, Inc. (4.125% to 9-15-26, then 5 Year CMT + 3.315%) 12/15/2051 (D)	332,000	264,712
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	334,650
Loews Corp. 2.625%, 05/15/2023	630,000	627,541
3.750%, 04/01/2026	825,000	818,353
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (F)	186,000	166,631
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (D)	204,000	177,905
4.875%, 06/10/2025 (D)	262,000	261,474
Markel Corp. 5.000%, 03/30/2043	1,270,000	1,202,477

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
MetLife, Inc. 3.000%, 03/01/2025	\$ 300,000	\$ 294,304
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.205%) 12/15/2036	347,000	348,825
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 04/08/2038 (D)	120,000	140,989
Morgan Stanley 3.875%, 01/27/2026	256,000	252,123
4.100%, 05/22/2023	900,000	903,510
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	942,000	881,856
Morgan Stanley (2.239% to 7-21-31, then SOFR + 1.178%) 07/21/2032	202,000	163,641
Morgan Stanley (2.484% to 9-16-31, then SOFR + 1.360%) 09/16/2036	659,000	506,719
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	918,544
MSCI, Inc. 3.250%, 08/15/2033 (D)	285,000	227,171
3.625%, 11/01/2031 (D)	318,000	261,761
Nationstar Mortgage Holdings, Inc. 5.125%, 12/15/2030 (D)	176,000	131,565
5.500%, 08/15/2028 (D)	191,000	153,209
6.000%, 01/15/2027 (D)	99,000	85,877
Nationwide Mutual Insurance Company (3 month LIBOR + 2.290%) 4.119%, 12/15/2024 (A)(D)	1,130,000	1,130,247
NatWest Group PLC 3.875%, 09/12/2023	500,000	498,352
NatWest Group PLC (6.000% to 12-29-25, then 5 Year CMT + 5.625%) 12/29/2025 (F)	431,000	398,851
NatWest Markets PLC 1.600%, 09/29/2026 (D)(E)	494,000	435,132
New York Life Insurance Company 3.750%, 05/15/2050 (D)	198,000	161,720
Nippon Life Insurance Company (2.750% to 1-21-31, then 5 Year CMT + 2.653%) 01/21/2051 (D)	499,000	403,566
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year U.S. Swap Rate + 3.650%) 10/16/2044 (D)	250,000	247,502
OneMain Finance Corp. 6.875%, 03/15/2025	65,000	61,604
Prudential Financial, Inc. (5.125% to 11-28-31, then 5 Year CMT + 3.162%) 03/01/2052	203,000	187,399
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.175%) 09/15/2042	685,000	672,499
Radian Group, Inc. 4.500%, 10/01/2024	160,000	150,519
Raymond James Financial, Inc. 4.950%, 07/15/2046	500,000	487,263
S&P Global, Inc. 4.750%, 08/01/2028 (D)	155,000	157,483
Santander Holdings USA, Inc. 3.244%, 10/05/2026	791,000	741,781
3.450%, 06/02/2025	619,000	595,237
4.400%, 07/13/2027	203,000	195,155

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Santander Holdings USA, Inc. (2.490% to 1-6-27, then SOFR + 1.249%) 01/06/2028	\$ 340,000	\$ 300,081
SBL Holdings, Inc. 5.000%, 02/18/2031 (D)	360,000	299,792
Societe Generale SA (4.750% to 5-26-26, then 5 Year CMT + 3.931%) 05/26/2026 (D)(F)	346,000	280,721
Societe Generale SA (5.375% to 11-18-30, then 5 Year CMT + 4.514%) 11/18/2030 (D)(E)(F)	355,000	275,125
Sompo International Holdings, Ltd. 4.700%, 10/15/2022	1,080,000	1,083,867
State Street Corp. (2.901% to 3-30-25, then SOFR + 2.600%) 03/30/2026	1,000,000	967,854
Stifel Financial Corp. 4.250%, 07/18/2024	1,300,000	1,300,857
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (D)	425,000	378,289
The Goldman Sachs Group, Inc. 3.500%, 04/01/2025	500,000	490,127
3.625%, 01/22/2023	1,200,000	1,203,741
3.850%, 01/26/2027	792,000	765,626
The Goldman Sachs Group, Inc. (2.615% to 4-22-31, then SOFR + 1.281%) 04/22/2032	1,054,000	875,068
The Goldman Sachs Group, Inc. (2.650% to 10-21-31, then SOFR + 1.264%) 10/21/2032	407,000	335,383
The Hartford Financial Services Group, Inc. 6.625%, 03/30/2040	500,000	571,254
The PNC Financial Services Group, Inc. (3 month LIBOR + 3.678%) 4.964%, 08/01/2022 (A)(F)	373,000	359,011
The PNC Financial Services Group, Inc. (3.400% to 9-15-26, then 5 Year CMT + 2.595%) 09/15/2026 (F)	497,000	377,383
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (F)	243,000	218,616
Unifin Financiera SAB de CV 9.875%, 01/28/2029 (D)	227,000	148,233
Unum Group 4.125%, 06/15/2051	169,000	124,640
Voya Financial, Inc. 4.800%, 06/15/2046	700,000	651,337
Voya Financial, Inc. (5.650% to 5-15-23, then 3 month LIBOR + 3.580%) 05/15/2053	419,000	392,846
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	746,000	668,065
Wells Fargo & Company (2.879% to 10-30-29, then SOFR + 1.432%) 10/30/2030	656,000	576,870
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	311,000	240,843
Wells Fargo & Company (3.350% to 3-2-32, then SOFR + 1.500%) 03/02/2033	300,000	266,240

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (F)	\$ 878,000	\$ 855,962
		61,050,824
Health care – 2.7%		
Abbott Laboratories 3.750%, 11/30/2026	680,000	683,533
AbbVie, Inc. 3.200%, 11/21/2029	1,890,000	1,738,688
AdaptHealth LLC 5.125%, 03/01/2030 (D)	168,000	141,609
AmerisourceBergen Corp. 2.800%, 05/15/2030	309,000	270,108
Baxter International, Inc. 3.500%, 08/15/2046	500,000	392,287
Biogen, Inc. 2.250%, 05/01/2030	400,000	327,845
	500,000	342,917
Catalent Pharma Solutions, Inc. 3.125%, 02/15/2029 (D)	64,000	52,508
	81,000	76,248
Centene Corp. 3.000%, 10/15/2030	286,000	237,023
	183,000	155,193
	127,000	118,551
	162,000	151,065
CVS Health Corp. 3.750%, 04/01/2030	269,000	251,611
	188,000	186,011
	328,000	313,977
CVS Pass-Through Trust 8.353%, 07/10/2031 (D)	828,577	947,596
DaVita, Inc. 3.750%, 02/15/2031 (D)	378,000	271,022
	367,000	286,209
Elevance Health, Inc. 2.250%, 05/15/2030	81,000	69,214
	74,000	66,668
Encompass Health Corp. 4.500%, 02/01/2028	100,000	85,610
	93,000	75,304
Fresenius Medical Care US Finance III, Inc. 2.375%, 02/16/2031 (D)	544,000	430,063
HCA, Inc. 4.125%, 06/15/2029	318,000	289,948
	491,000	490,331
	800,000	795,808
Humana, Inc. 3.125%, 08/15/2029	500,000	451,799
Organon & Company 5.125%, 04/30/2031 (D)	314,000	270,929
Pfizer, Inc. 2.625%, 04/01/2030	500,000	456,539
Rede D'or Finance Sarl 4.500%, 01/22/2030 (D)	269,000	226,770
Royalty Pharma PLC 1.750%, 09/02/2027	186,000	158,555
Select Medical Corp. 6.250%, 08/15/2026 (D)	194,000	181,091
Shire Acquisitions Investments Ireland DAC 3.200%, 09/23/2026	500,000	480,234
Stanford Health Care 3.310%, 08/15/2030	225,000	208,205

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Teva Pharmaceutical Finance Company LLC 6.150%, 02/01/2036 (E)	\$ 49,000	\$ 40,964
UnitedHealth Group, Inc. 5.800%, 03/15/2036	540,000	604,823
Universal Health Services, Inc. 1.650%, 09/01/2026 (D)	335,000	290,532
	358,000	286,309
Utah Acquisition Sub, Inc. 3.950%, 06/15/2026	800,000	753,674
	250,000	201,647
Varex Imaging Corp. 7.875%, 10/15/2027 (D)	149,000	141,736
Viatrix, Inc. 2.300%, 06/22/2027	209,000	180,543
	437,000	350,719
	374,000	250,426
Zimmer Biomet Holdings, Inc. 3.050%, 01/15/2026	500,000	480,035
		15,262,477
Industrials – 5.6%		
3M Company 3.050%, 04/15/2030	500,000	466,404
Adani Ports & Special Economic Zone, Ltd. 3.100%, 02/02/2031 (D)	313,000	244,057
AerCap Ireland Capital DAC 1.650%, 10/29/2024	330,000	304,700
	350,000	305,912
	849,000	739,278
	328,000	312,452
Air Canada 2013-1 Class A Pass Through Trust 4.125%, 05/15/2025 (D)	166,487	155,168
Air Canada 2017-1 Class B Pass Through Trust 3.700%, 01/15/2026 (D)	170,926	160,625
Air Lease Corp. 2.100%, 09/01/2028	208,000	166,747
	225,000	206,527
	400,000	391,051
	400,000	326,932
	170,000	151,671
Alaska Airlines 2020-1 Class B Pass Through Trust 8.000%, 08/15/2025 (D)	108,985	114,810
Alta Equipment Group, Inc. 5.625%, 04/15/2026 (D)	61,000	52,155
American Airlines 2015-1 Class A Pass Through Trust 3.375%, 05/01/2027 (E)	785,838	687,146
American Airlines 2015-1 Class B Pass Through Trust 3.700%, 05/01/2023	189,807	182,936
American Airlines 2016-1 Class A Pass Through Trust 4.100%, 01/15/2028	242,101	200,704
American Airlines 2017-1 Class A Pass Through Trust 4.000%, 02/15/2029	64,388	56,366
American Airlines 2017-1 Class AA Pass Through Trust 3.650%, 02/15/2029	189,375	172,675

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
American Airlines 2017-2 Class A Pass Through Trust 3.600%, 10/15/2029	\$ 156,702	\$ 138,232
American Airlines 2019-1 Class A Pass Through Trust 3.500%, 02/15/2032	276,388	222,721
American Airlines 2019-1 Class AA Pass Through Trust 3.150%, 02/15/2032	231,809	204,919
American Airlines 2021-1 Class A Pass Through Trust 2.875%, 07/11/2034	200,000	170,261
American Airlines 2021-1 Class B Pass Through Trust 3.950%, 07/11/2030	149,000	124,316
American Airlines Group, Inc. 3.750%, 03/01/2025 (D)(E)	500,000	421,250
APX Group, Inc. 5.750%, 07/15/2029 (D)(E)	266,000	205,935
Ashtead Capital, Inc. 2.450%, 08/12/2031 (D)	215,000	167,104
Atkore, Inc. 4.250%, 06/01/2031 (D)	58,000	48,140
Beacon Roofing Supply, Inc. 4.125%, 05/15/2029 (D)	188,000	152,885
BlueLinx Holdings, Inc. 6.000%, 11/15/2029 (D)	275,000	214,500
Boise Cascade Company 4.875%, 07/01/2030 (D)	52,000	45,484
British Airways 2013-1 Class A Pass Through Trust 4.625%, 06/20/2024 (D)	152,946	150,308
British Airways 2018-1 Class A Pass Through Trust 4.125%, 09/20/2031 (D)	64,710	57,173
British Airways 2020-1 Class A Pass Through Trust 4.250%, 11/15/2032 (D)	127,254	122,325
British Airways 2020-1 Class B Pass Through Trust 8.375%, 11/15/2028 (D)	95,280	99,861
Builders FirstSource, Inc. 4.250%, 02/01/2032 (D)	286,000	217,695
	46,000	38,983
	165,000	147,263
Carrier Global Corp. 2.700%, 02/15/2031	500,000	423,029
Cimpress PLC 7.000%, 06/15/2026 (D)	390,000	310,713
CNH Industrial Capital LLC 1.950%, 07/02/2023	570,000	557,078
CoStar Group, Inc. 2.800%, 07/15/2030 (D)	386,000	321,381
CSX Corp. 3.800%, 04/15/2050	1,000,000	843,309
DAE Funding LLC 2.625%, 03/20/2025 (D)	267,000	248,031
Delta Air Lines, Inc. 2.900%, 10/28/2024	525,000	485,237
	295,000	292,050
	359,000	304,950
	103,000	100,081
	307,051	290,034
Deluxe Corp. 8.000%, 06/01/2029 (D)	124,000	101,060

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Equifax, Inc. 3.100%, 05/15/2030	\$ 800,000	\$ 702,683
Flowerserve Corp. 3.500%, 10/01/2030	136,000	116,800
Fortive Corp. 3.150%, 06/15/2026	700,000	662,791
Garda World Security Corp. 6.000%, 06/01/2029 (D)	131,000	100,706
GATX Corp. 3.850%, 03/30/2027	800,000	776,924
GFL Environmental, Inc. 3.500%, 09/01/2028 (D)	355,000	304,413
	229,000	184,345
	154,000	127,435
Global Infrastructure Solutions, Inc. 5.625%, 06/01/2029 (D)	247,000	192,603
Graphic Packaging International LLC 3.500%, 03/01/2029 (D)	267,000	224,199
H&E Equipment Services, Inc. 3.875%, 12/15/2028 (D)	257,000	207,849
Hillenbrand, Inc. 3.750%, 03/01/2031	201,000	162,308
Huntington Ingalls Industries, Inc. 3.844%, 05/01/2025	450,000	443,075
	1,232,000	1,160,868
IDEX Corp. 3.000%, 05/01/2030	1,000,000	872,931
JB Hunt Transport Services, Inc. 3.850%, 03/15/2024	700,000	699,017
JB Poindexter & Company, Inc. 7.125%, 04/15/2026 (D)	132,000	126,720
JetBlue 2019-1 Class AA Pass Through Trust 2.750%, 05/15/2032	270,640	234,191
Kansas City Southern 2.875%, 11/15/2029	500,000	445,629
Legends Hospitality Holding Company LLC 5.000%, 02/01/2026 (D)	66,000	55,308
Lennox International, Inc. 3.000%, 11/15/2023	800,000	791,479
Masco Corp. 2.000%, 10/01/2030	412,000	325,513
MasTec, Inc. 4.500%, 08/15/2028 (D)	191,000	171,840
MIWD Holdco II LLC 5.500%, 02/01/2030 (D)	50,000	40,238
Owens Corning 3.950%, 08/15/2029	321,000	297,757
Prime Security Services Borrower LLC 3.375%, 08/31/2027 (D)	62,000	51,073
	218,000	182,378
Quanta Services, Inc. 0.950%, 10/01/2024	203,000	187,745
Southwest Airlines Company 5.250%, 05/04/2025	800,000	815,070
The Boeing Company 3.200%, 03/01/2029	199,000	172,191
	568,000	561,052
	790,000	758,304
	400,000	367,389
The Hertz Corp. 5.000%, 12/01/2029 (D)	71,000	54,670
TransDigm, Inc. 5.500%, 11/15/2027	563,000	477,638

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
TriNet Group, Inc. 3.500%, 03/01/2029 (D)	\$ 149,000	\$ 122,727
TTX Company 4.200%, 07/01/2046 (D)	700,000	632,234
Tutor Perini Corp. 6.875%, 05/01/2025 (D)(E)	300,000	245,178
Uber Technologies, Inc. 4.500%, 08/15/2029 (D)	466,000	383,285
7.500%, 05/15/2025 to 09/15/2027 (D)	590,000	576,720
United Airlines 2014-2 Class A Pass Through Trust 3.750%, 09/03/2026	445,389	414,410
United Airlines 2014-2 Class B Pass Through Trust 4.625%, 09/03/2022	113,904	113,490
United Airlines 2016-1 Class A Pass Through Trust 3.450%, 07/07/2028	379,753	323,230
United Airlines 2016-1 Class B Pass Through Trust 3.650%, 01/07/2026	274,796	251,858
United Airlines 2018-1 Class B Pass Through Trust 4.600%, 03/01/2026	109,551	98,596
United Airlines 2019-1 Class A Pass Through Trust 4.550%, 08/25/2031	199,295	177,973
United Airlines 2020-1 Class A Pass Through Trust 5.875%, 10/15/2027	636,825	625,872
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	179,280	169,420
United Airlines, Inc. 4.375%, 04/15/2026 (D)	31,000	27,316
4.625%, 04/15/2029 (D)	70,000	59,379
United Rentals North America, Inc. 3.875%, 11/15/2027 to 02/15/2031	390,000	348,615
4.875%, 01/15/2028	373,000	352,664
US Airways 2010-1 Class A Pass Through Trust 6.250%, 04/22/2023	66,665	66,339
US Airways 2011-1 Class A Pass Through Trust 7.125%, 10/22/2023	172,501	173,968
US Airways 2012-2 Class A Pass Through Trust 4.625%, 06/03/2025	160,966	147,491
Verisk Analytics, Inc. 4.125%, 03/15/2029	400,000	385,415
Vertiv Group Corp. 4.125%, 11/15/2028 (D)	255,000	207,040
Wabtec Corp. 3.200%, 06/15/2025	500,000	476,735
Williams Scotsman International, Inc. 4.625%, 08/15/2028 (D)	72,000	61,380
		32,121,091
Information technology – 3.7%		
Atento Luxco 1 SA 8.000%, 02/10/2026 (D)	135,000	95,343
Autodesk, Inc. 2.850%, 01/15/2030	99,000	86,525
Block, Inc. 2.750%, 06/01/2026 (D)	92,000	81,625
3.500%, 06/01/2031 (D)(E)	126,000	100,404

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Broadcom, Inc. 2.450%, 02/15/2031 (D)	\$ 1,000,000	\$ 803,438
3.137%, 11/15/2035 (D)	779,000	591,559
3.419%, 04/15/2033 (D)	499,000	412,545
3.469%, 04/15/2034 (D)	421,000	342,638
4.750%, 04/15/2029	1,262,000	1,222,798
4.926%, 05/15/2037 (D)	523,000	468,892
CDW LLC 3.250%, 02/15/2029	149,000	125,632
3.569%, 12/01/2031	463,000	382,514
CGI, Inc. 1.450%, 09/14/2026	377,000	332,923
Consensus Cloud Solutions, Inc. 6.500%, 10/15/2028 (D)	255,000	210,426
Dell International LLC 3.450%, 12/15/2051 (D)	334,000	225,978
4.900%, 10/01/2026	574,000	574,206
5.300%, 10/01/2029	978,000	964,142
5.850%, 07/15/2025	196,000	202,136
8.350%, 07/15/2046	90,000	112,079
Fiserv, Inc. 2.250%, 06/01/2027	400,000	357,753
3.850%, 06/01/2025	614,000	607,778
Fortinet, Inc. 2.200%, 03/15/2031	1,000,000	809,315
Gartner, Inc. 3.625%, 06/15/2029 (D)	116,000	100,499
4.500%, 07/01/2028 (D)	374,000	343,409
Infor, Inc. 1.750%, 07/15/2025 (D)	151,000	139,666
Jabil, Inc. 3.600%, 01/15/2030	180,000	160,310
KLA Corp. 4.100%, 03/15/2029	211,000	208,439
Marvell Technology, Inc. 2.450%, 04/15/2028	410,000	357,766
Micron Technology, Inc. 4.185%, 02/15/2027	933,000	910,638
4.663%, 02/15/2030	1,000,000	958,958
4.975%, 02/06/2026	190,000	191,846
5.327%, 02/06/2029	1,613,000	1,604,309
Motorola Solutions, Inc. 2.300%, 11/15/2030	431,000	337,224
2.750%, 05/24/2031	395,000	319,175
4.600%, 05/23/2029	150,000	143,512
NXP BV 3.250%, 05/11/2041	178,000	133,985
3.875%, 06/18/2026	450,000	433,440
Oracle Corp. 2.950%, 04/01/2030	718,000	613,170
PayPal Holdings, Inc. 2.300%, 06/01/2030	400,000	343,385
2.850%, 10/01/2029	1,365,000	1,235,111
PTC, Inc. 4.000%, 02/15/2028 (D)	36,000	32,532
Qorvo, Inc. 1.750%, 12/15/2024 (D)	281,000	262,488
3.375%, 04/01/2031 (D)	247,000	194,226
QUALCOMM, Inc. 1.650%, 05/20/2032	566,000	457,121
Renesas Electronics Corp. 1.543%, 11/26/2024 (D)	257,000	239,917
Sabre GLBL, Inc. 7.375%, 09/01/2025 (D)	209,000	193,848

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
VeriSign, Inc.		
2.700%, 06/15/2031	\$ 256,000	\$ 206,014
5.250%, 04/01/2025	160,000	160,835
Visa, Inc.		
2.050%, 04/15/2030	400,000	350,887
Western Digital Corp.		
4.750%, 02/15/2026	382,000	364,470
Workday, Inc.		
3.500%, 04/01/2027	220,000	210,385
3.800%, 04/01/2032	249,000	227,505
Xerox Holdings Corp.		
5.500%, 08/15/2028 (D)	232,000	193,968
Ziff Davis, Inc.		
4.625%, 10/15/2030 (D)	200,000	170,489
		<u>20,910,176</u>
Materials – 1.6%		
Amcort Flexibles North America, Inc.		
3.100%, 09/15/2026	500,000	479,228
Anglo American Capital PLC		
4.750%, 04/10/2027 (D)	215,000	212,403
Arconic Corp.		
6.125%, 02/15/2028 (D)	168,000	156,875
Braskem Idesa SAPI		
6.990%, 02/20/2032 (D)	201,000	155,160
Braskem Netherlands Finance BV		
5.875%, 01/31/2050 (D)	240,000	189,578
Braskem Netherlands Finance BV		
(8.500% to 10-24-25, then 5 Year CMT + 8.220%) 01/23/2081 (D)	239,000	238,934
Cemex SAB de CV		
3.875%, 07/11/2031 (D)	297,000	222,750
5.200%, 09/17/2030 (D)	224,000	191,782
CF Industries, Inc.		
4.950%, 06/01/2043	175,000	158,901
Clydesdale Acquisition Holdings, Inc.		
6.625%, 04/15/2029 (D)	24,000	22,551
CVR Partners LP		
6.125%, 06/15/2028 (D)	110,000	98,342
First Quantum Minerals, Ltd.		
6.875%, 03/01/2026 to 10/15/2027 (D)	404,000	365,915
Freeport-McMoRan, Inc.		
4.250%, 03/01/2030	354,000	322,118
4.625%, 08/01/2030	297,000	275,551
5.450%, 03/15/2043	934,000	863,997
FS Luxembourg Sarl		
10.000%, 12/15/2025 (D)	347,000	349,812
Glencore Funding LLC		
2.625%, 09/23/2031 (D)	500,000	402,907
Hudbay Minerals, Inc.		
4.500%, 04/01/2026 (D)	66,000	55,227
Huntsman International LLC		
4.500%, 05/01/2029	500,000	471,471
JW Aluminum Continuous Cast Company		
10.250%, 06/01/2026 (D)(E)	135,000	138,375
LSB Industries, Inc.		
6.250%, 10/15/2028 (D)	131,000	115,608
Mauser Packaging Solutions Holding Company		
8.500%, 04/15/2024 (D)	54,000	53,219
Methanex Corp.		
4.250%, 12/01/2024	193,000	183,833
5.650%, 12/01/2044	450,000	316,236
Newmont Corp.		
2.800%, 10/01/2029	223,000	196,926

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Novelis Corp.		
4.750%, 01/30/2030 (D)	\$ 410,000	\$ 340,784
Owens-Brockway Glass Container, Inc.		
6.625%, 05/13/2027 (D)	130,000	121,329
Pactiv Evergreen Group Issuer LLC		
4.000%, 10/15/2027 (D)	362,000	309,510
4.375%, 10/15/2028 (D)	174,000	147,900
Sasol Financing USA LLC		
5.500%, 03/18/2031	425,000	327,038
Standard Industries, Inc.		
3.375%, 01/15/2031 (D)	142,000	104,742
4.375%, 07/15/2030 (D)	149,000	117,524
5.000%, 02/15/2027 (D)	73,000	65,157
The Mosaic Company		
4.250%, 11/15/2023	600,000	604,172
Trident TPI Holdings, Inc.		
6.625%, 11/01/2025 (D)	65,000	59,638
Trinseo Materials Operating SCA		
5.125%, 04/01/2029 (D)	167,000	119,422
Tronox, Inc.		
4.625%, 03/15/2029 (D)	242,000	194,592
Valvoline, Inc.		
3.625%, 06/15/2031 (D)	302,000	241,600
Volcan Cia Minera SAA		
4.375%, 02/11/2026 (D)	69,000	60,065
Vulcan Materials Company		
3.500%, 06/01/2030	213,000	193,114
WR Grace Holdings LLC		
4.875%, 06/15/2027 (D)	143,000	124,444
		<u>9,368,730</u>
Real estate – 2.8%		
American Homes 4 Rent LP		
4.250%, 02/15/2028	203,000	193,872
American Tower Corp.		
3.550%, 07/15/2027	257,000	240,937
3.800%, 08/15/2029	531,000	487,396
5.000%, 02/15/2024	670,000	677,840
Crown Castle International Corp.		
3.300%, 07/01/2030	532,000	469,179
3.650%, 09/01/2027	415,000	393,025
3.700%, 06/15/2026	500,000	482,357
3.800%, 02/15/2028	225,000	212,282
4.150%, 07/01/2050	400,000	332,451
CubeSmart LP		
4.375%, 02/15/2029	600,000	582,177
EPR Properties		
4.950%, 04/15/2028	350,000	321,856
Equinix, Inc.		
1.550%, 03/15/2028	319,000	268,317
1.800%, 07/15/2027	255,000	221,261
2.500%, 05/15/2031	544,000	440,810
2.900%, 11/18/2026	1,000,000	929,341
3.200%, 11/18/2029	199,000	176,779
ERP Operating LP		
3.375%, 06/01/2025	300,000	294,064
Extra Space Storage LP		
2.350%, 03/15/2032	500,000	396,343
GLP Capital LP		
3.250%, 01/15/2032	521,000	417,566
4.000%, 01/15/2030	147,000	128,735
5.375%, 04/15/2026	253,000	247,591
Healthcare Trust of America Holdings LP		
3.500%, 08/01/2026	500,000	475,801
3.750%, 07/01/2027	600,000	569,695

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
Host Hotels & Resorts LP		
3.375%, 12/15/2029	\$ 405,000	\$ 342,818
3.500%, 09/15/2030	267,000	228,082
4.500%, 02/01/2026	214,000	210,280
Iron Mountain Information Management Services, Inc.		
5.000%, 07/15/2032 (D)	230,000	185,636
Iron Mountain, Inc.		
4.875%, 09/15/2029 (D)	136,000	115,590
5.250%, 07/15/2030 (D)	159,000	138,234
Kimco Realty Corp.		
3.375%, 10/15/2022	1,050,000	1,050,165
Mid-America Apartments LP		
3.950%, 03/15/2029	700,000	668,407
Piedmont Operating Partnership LP		
4.450%, 03/15/2024	500,000	501,603
RHP Hotel Properties LP		
4.500%, 02/15/2029 (D)	341,000	289,134
RLJ Lodging Trust LP		
3.750%, 07/01/2026 (D)	149,000	129,119
SBA Tower Trust		
2.836%, 01/15/2025 (D)	266,000	256,712
SL Green Operating Partnership LP		
3.250%, 10/15/2022	500,000	498,745
Uniti Group LP		
6.500%, 02/15/2029 (D)	141,000	103,283
Ventas Realty LP		
4.750%, 11/15/2030	1,000,000	978,062
VICI Properties LP		
3.875%, 02/15/2029 (D)	207,000	178,035
4.125%, 08/15/2030 (D)	160,000	138,067
4.625%, 12/01/2029 (D)	260,000	232,428
5.125%, 05/15/2032	77,000	72,560
Welltower, Inc.		
2.700%, 02/15/2027	400,000	369,405
XHR LP		
4.875%, 06/01/2029 (D)	107,000	91,791
		15,737,831
Utilities – 1.9%		
AES Panama Generation Holdings SRL		
4.375%, 05/31/2030 (D)	203,000	173,431
Ameren Corp.		
3.500%, 01/15/2031	1,000,000	916,010
AmeriGas Partners LP		
5.500%, 05/20/2025	275,000	258,823
Arizona Public Service Company		
5.500%, 09/01/2035	1,118,000	1,132,192
Atlantica Transmission Sur SA		
6.875%, 04/30/2043 (D)	208,846	247,483
CenterPoint Energy Houston Electric LLC		
6.950%, 03/15/2033	535,000	637,351
Consolidated Edison Company of New York, Inc.		
3.350%, 04/01/2030	500,000	465,785
3.950%, 04/01/2050	500,000	433,988
Dominion Energy, Inc.		
3.375%, 04/01/2030	604,000	552,140
3.600%, 03/15/2027	500,000	486,509
DPL, Inc.		
4.125%, 07/01/2025	203,000	187,406
Edison International		
3.550%, 11/15/2024	700,000	682,917
Emera US Finance LP		
3.550%, 06/15/2026	158,000	151,218

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
FirstEnergy Corp.		
2.650%, 03/01/2030	\$ 254,000	\$ 209,550
NextEra Energy Capital Holdings, Inc.		
3.550%, 05/01/2027	677,000	653,596
NextEra Energy Operating Partners LP		
3.875%, 10/15/2026 (D)	243,000	222,345
4.500%, 09/15/2027 (D)	201,000	186,183
NiSource, Inc.		
3.600%, 05/01/2030	230,000	210,721
NRG Energy, Inc.		
2.450%, 12/02/2027 (D)	284,000	243,852
3.375%, 02/15/2029 (D)	62,000	49,997
3.625%, 02/15/2031 (D)	175,000	137,198
3.875%, 02/15/2032 (D)	371,000	294,679
4.450%, 06/15/2029 (D)	257,000	230,196
Southern California Edison Company		
3.700%, 08/01/2025	1,000,000	983,609
Suburban Propane Partners LP		
5.000%, 06/01/2031 (D)	136,000	115,651
Vistra Operations Company LLC		
3.700%, 01/30/2027 (D)	624,000	574,381
4.300%, 07/15/2029 (D)	535,000	484,510
		10,921,721
TOTAL CORPORATE BONDS (Cost \$282,451,543)		\$ 255,670,308
CAPITAL PREFERRED SECURITIES – 0.2%		
Financials – 0.2%		
Truist Financial Corp. (Greater of 3 month LIBOR + 0.645% or 4.000%)		
4.000%, 12/15/2024 (A)(F)	425,000	318,750
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 08/01/2022 (A)(F)	1,045,000	732,336
		1,051,086
TOTAL CAPITAL PREFERRED SECURITIES (Cost \$1,390,149)		\$ 1,051,086
MUNICIPAL BONDS – 0.7%		
Foothill-Eastern Transportation Corridor Agency (California)		
4.094%, 01/15/2049	1,000,000	873,929
Golden State Tobacco Securitization Corp. (California)		
4.214%, 06/01/2050	231,000	188,015
New Jersey Transportation Trust Fund Authority		
4.081%, 06/15/2039	283,000	254,600
4.131%, 06/15/2042	40,000	34,738
Sales Tax Securitization Corp. (Illinois)		
4.637%, 01/01/2040	455,000	451,564
State Board of Administration Finance Corp. (Florida)		
1.705%, 07/01/2027	416,000	376,269
State of Connecticut, GO		
2.677%, 07/01/2030	250,000	228,258
The School District of Philadelphia (Pennsylvania), GO		
5.995%, 09/01/2030	315,000	346,538
6.765%, 06/01/2040	1,010,000	1,184,657
TOTAL MUNICIPAL BONDS (Cost \$4,330,766)		\$ 3,938,568

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) – 0.3%		
Communication services – 0.0%		
AP Core Holdings II LLC, High-Yield Term Loan B2 (1 month LIBOR + 5.500%) 7.166%, 09/01/2027	\$ 93,000	\$ 87,420
Consumer discretionary – 0.1%		
Carnival Corp., 2021 Incremental Term Loan B (6 month LIBOR + 3.250%) 6.127%, 10/18/2028	390,040	349,086
Fertitta Entertainment LLC, 2022 Term Loan B (1 month SOFR + 4.000%) 5.525%, 01/27/2029	24,728	23,160
Hunter Douglas, Inc., USD Term Loan B1 (3 month SOFR + 3.500%) 4.842%, 02/26/2029	293,000	251,432
		623,678
Health care – 0.0%		
TTF Holdings LLC, Term Loan (1 month LIBOR + 4.250%) 5.938%, 03/31/2028	57,061	54,636
Industrials – 0.1%		
CoreLogic, Inc., Term Loan (1 month LIBOR + 3.500%) 5.188%, 06/02/2028	575,651	477,214
Information technology – 0.1%		
Quest Software, Inc., 2022 Term Loan (3 month SOFR + 4.250%) 4.750%, 02/01/2029	236,000	209,228
Materials – 0.0%		
Clydesdale Acquisition Holdings, Inc., Term Loan B (1 month SOFR + 4.250%) 5.875%, 04/13/2029	57,000	53,179
Mauser Packaging Solutions Holding Company, 2017 Term Loan B 04/03/2024 TBD (H)	163,144	153,117
		206,296
TOTAL TERM LOANS (Cost \$1,878,721)		\$ 1,658,472
COLLATERALIZED MORTGAGE OBLIGATIONS – 9.7%		
Commercial and residential – 7.0%		
Angel Oak Mortgage Trust LLC Series 2021-2, Class A1, 0.985%, 04/25/2066 (D)(I)	138,971	126,399
Series 2021-4, Class A1, 1.035%, 01/20/2065 (D)(I)	283,972	240,264
Series 2021-5, Class A1, 0.951%, 07/25/2066 (D)(I)	359,672	320,118
Arbor Multifamily Mortgage Securities Trust Series 2020-MF1, Class XA IO 1.084%, 05/15/2053 (D)	4,337,689	243,135
Arroyo Mortgage Trust Series 2021-1R, Class A1 1.175%, 10/25/2048 (D)(I)	234,788	216,854
BAMLL Commercial Mortgage Securities Trust Series 2019-BPR, Class ENM 3.843%, 11/05/2032 (D)(I)	116,000	96,684
BAMLL Re-REMIC Trust Series 2014-FRR4, Class BK23 2.895%, 09/27/2022 (D)(J)	500,000	496,485
BANK		
Series 2019-BN20, Class ASB, 2.933%, 09/15/2062	400,000	377,202
Series 2021-BN34, Class XA IO, 1.087%, 06/15/2063	12,766,143	787,500

Active 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	\$ 101,000	\$ 97,499
BBCMS Trust Series 2015-MSQ, Class D, 4.123%, 09/15/2032 (D)(I)	140,000	139,461
Series 2015-SRCH, Class D, 5.122%, 08/10/2035 (D)(I)	194,000	173,666
Bear Stearns Asset Backed Securities Trust Series 2003-AC4, Class A 5.500%, 09/25/2033	281,902	264,444
Benchmark Mortgage Trust Series 2019-B12, Class A2, 3.001%, 08/15/2052	265,486	258,193
Series 2019-B15, Class XA IO, 0.938%, 12/15/2072	9,884,681	433,488
BMO Mortgage Trust Series 2022-C2, Class A5 4.974%, 07/15/2054 (B)(I)	500,000	517,865
BOCA Commercial Mortgage Trust Series 2022-BOCA, Class A (1 month CME Term SOFR + 1.770%), 2.270%, 05/15/2039 (A)(D)	260,000	254,740
Series 2022-BOCA, Class B (1 month CME Term SOFR + 2.319%), 2.819%, 05/15/2039 (A)(D)	100,000	98,001
BPR Trust Series 2022-OANA, Class A (1 month CME Term SOFR + 1.898%) 3.177%, 04/15/2037 (A)(D)	756,000	740,535
BRAVO Residential Funding Trust Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (D)(I)	165,945	155,103
BWAY Mortgage Trust Series 2015-1740, Class XA IO 0.205%, 01/10/2035 (D)	3,705,000	61
BX Commercial Mortgage Trust Series 2020-VKNG, Class A (1 month LIBOR + 0.930%), 2.254%, 10/15/2037 (A)(D)	249,644	242,011
Series 2021-ACNT, Class A (1 month LIBOR + 0.850%), 2.175%, 11/15/2038 (A)(D)	243,000	233,847
Series 2021-VOLT, Class C (1 month LIBOR + 1.100%), 2.424%, 09/15/2036 (A)(D)	278,000	258,558
Series 2022-AHP, Class A (1 month CME Term SOFR + 0.990%), 2.269%, 01/17/2039 (A)(D)	566,000	547,437
CAMB Commercial Mortgage Trust Series 2019-LIFE, Class D (1 month LIBOR + 1.750%), 3.074%, 12/15/2037 (A)(D)	121,000	116,441
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%), 3.874%, 12/15/2037 (A)(D)	192,000	182,837
CD Mortgage Trust Series 2017-CD3, Class A4 3.631%, 02/10/2050	800,000	778,805
CFCRE Commercial Mortgage Trust Series 2017-C8, Class C 5.062%, 06/15/2050 (I)	500,000	476,889

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
CHL Mortgage Pass-Through Trust Series 2004-HYB2, Class 4A 2.707%, 07/20/2034 (I)	\$ 471,611	\$ 462,383
Citigroup Commercial Mortgage Trust Series 2018-C5, Class A3, 3.963%, 06/10/2051	546,690	531,876
Series 2018-C5, Class XA IO, 0.690%, 06/10/2051	15,246,648	473,963
Series 2019-C7, Class XA IO, 0.998%, 12/15/2072	15,843,299	778,717
Series 2019-PRM, Class A, 3.341%, 05/10/2036 (D)	310,000	306,542
Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (D)	162,000	161,024
Cold Storage Trust Series 2020-ICE5, Class D (1 month LIBOR + 2.100%) 3.424%, 11/15/2037 (A)(D)	491,495	476,680
COLT Mortgage Loan Trust Series 2021-2, Class A1, 0.924%, 08/25/2066 (D)(I)	298,909	262,467
Series 2021-3, Class A1, 0.956%, 09/27/2066 (D)(I)	393,610	340,380
Series 2021-HX1, Class A1, 1.110%, 10/25/2066 (D)(I)	337,157	295,992
COLT Trust Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (D)(I)	422,879	382,758
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	1,397,742
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2012-CR2, Class XA IO, 1.536%, 08/15/2045	563,138	17
Series 2012-CR3, Class XA IO, 1.980%, 10/15/2045	5,335,452	1,213
Series 2013-CR8, Class A5, 3.612%, 06/10/2046 (I)	400,000	398,332
Series 2013-CR8, Class AM, 3.920%, 06/10/2046 (D)(I)	1,000,000	995,490
Series 2014-CR15, Class C, 4.822%, 02/10/2047 (I)	800,000	788,629
Series 2014-CR15, Class XA IO, 0.775%, 02/10/2047	4,656,093	41,652
Series 2014-CR16, Class C, 5.082%, 04/10/2047 (I)	400,000	387,704
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	980,625
Commercial Mortgage Trust (Citigroup/Deutsche Bank AG) Series 2018-COR3, Class XA IO 0.577%, 05/10/2051	5,003,080	109,580
Commercial Mortgage Trust (Deutsche Bank AG) Series 2013-300P, Class D, 4.540%, 08/10/2030 (D)(I)	307,000	295,879
Series 2013-300P, Class E, 4.540%, 08/10/2030 (D)(I)	700,000	670,779
Series 2017-PANW, Class A, 3.244%, 10/10/2029 (D)	89,000	85,748

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Commercial Mortgage Trust (Deutsche Bank AG) (continued) Series 2020-CBM, Class A2, 2.896%, 02/10/2037 (D)	\$ 169,000	\$ 160,004
Series 2020-CX, Class A, 2.173%, 11/10/2046 (D)	500,000	411,903
Commercial Mortgage Trust (Deutsche Bank AG/UBS AG) Series 2014-UBS2, Class XA IO 1.238%, 03/10/2047	3,195,686	41,785
Credit Suisse Mortgage Capital Certificates Series 2019-ICE4, Class D (1 month LIBOR + 1.600%), 2.924%, 05/15/2036 (A)(D)	305,000	296,551
Series 2020-NET, Class A, 2.257%, 08/15/2037 (D)	103,756	95,684
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (D)(I)	234,118	221,741
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (D)(I)	199,579	181,581
Series 2021-NQM5, Class A1, 0.938%, 05/25/2066 (D)(I)	204,065	176,815
Series 2021-NQM6, Class A1, 1.174%, 07/25/2066 (D)(I)	340,972	288,498
CSAIL Commercial Mortgage Trust Series 2019-C17, Class A4, 2.763%, 09/15/2052	425,000	380,194
Series 2019-C18, Class E, 2.500%, 12/15/2052 (D)	265,000	182,366
DSL A Mortgage Loan Trust Series 2004-AR3, Class 2A2B (1 month LIBOR + 0.900%) 2.512%, 07/19/2044 (A)	312,510	280,433
Ellington Financial Mortgage Trust Series 2021-1, Class A1, 0.797%, 02/25/2066 (D)(I)	103,915	94,798
Series 2021-2, Class A1, 0.931%, 06/25/2066 (D)(I)	228,706	206,774
Flagstar Mortgage Trust Series 2021-1, Class A2 2.500%, 02/01/2051 (D)(I)	357,462	305,420
FREMF Mortgage Trust Series 2016-K54, Class C, 4.190%, 04/25/2048 (D)(I)	290,000	279,281
Series 2016-K56, Class B, 4.077%, 06/25/2049 (D)(I)	1,085,000	1,062,535
Series 2017-K67, Class B, 4.080%, 09/25/2049 (D)(I)	485,000	468,337
Series 2018-K730, Class B, 3.922%, 02/25/2050 (D)(I)	300,000	295,523
Series 2019-KF69, Class B (1 month LIBOR + 2.300%), 3.420%, 08/25/2029 (A)(D)	177,850	176,821
GCAT Trust Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (D)(I)	193,533	177,998
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (D)(I)	166,160	150,596
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (D)(I)	272,062	239,199

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GS Mortgage Securities Trust Series 2013-GC10, Class C, 4.285%, 02/10/2046 (D)(I)	\$ 859,800	\$ 850,481
Series 2017-485L, Class C, 4.115%, 02/10/2037 (D)(I)	85,000	77,698
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (D)	136,000	128,917
GS Mortgage-Backed Securities Trust Series 2021-NQM1, Class A1 1.017%, 07/25/2061 (D)(I)	123,533	115,148
HarborView Mortgage Loan Trust Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (D)	7,897,598	82,162
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	8,321,626	109,300
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (D)	8,611,532	107,623
Hilton Orlando Trust Series 2018-ORL, Class B (1 month LIBOR + 1.200%) 2.524%, 12/15/2034 (A)(D)	1,000,000	962,270
Imperial Fund Mortgage Trust Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (D)(I)	161,367	148,107
IMT Trust Series 2017-APTS, Class AFX, 3.478%, 06/15/2034 (D)	107,000	104,396
Series 2017-APTS, Class CFX, 3.613%, 06/15/2034 (D)(I)	123,000	117,908
Irvine Core Office Trust Series 2013-IRV, Class A2, 3.279%, 05/15/2048 (D)(I)	260,000	257,284
Series 2013-IRV, Class XA IO, 1.211%, 05/15/2048 (D)	2,237,831	9,889
JPMBB Commercial Mortgage Securities Trust Series 2013-C14, Class XA IO 0.523%, 08/15/2046	4,331,371	12,614
JPMorgan Chase Commercial Mortgage Securities Trust Series 2012-HSBC, Class XA IO, 1.582%, 07/05/2032 (D)	9,486,033	370
Series 2020-NNN, Class AFX, 2.812%, 01/16/2037 (D)	258,000	244,856
KNDL Mortgage Trust Series 2019-KNSQ, Class D (1 month LIBOR + 1.350%) 2.674%, 05/15/2036 (A)(D)	187,000	180,470
Life Mortgage Trust Series 2021-BMR, Class A (1 month LIBOR + 0.700%), 2.024%, 03/15/2038 (A)(D)	340,108	329,167
Series 2021-BMR, Class D (1 month LIBOR + 1.400%), 2.724%, 03/15/2038 (A)(D)	275,232	261,407
Series 2021-BMR, Class E (1 month LIBOR + 1.750%), 3.074%, 03/15/2038 (A)(D)	982,970	916,319
Series 2022-BMR2, Class A1 (1 month CME Term SOFR + 1.295%), 2.574%, 05/15/2039 (A)(D)	736,000	717,591

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
MASTR Adjustable Rate Mortgages Trust Series 2004-13, Class 2A1, 2.678%, 04/21/2034 (I)	\$ 64,479	\$ 62,224
Series 2004-8, Class 5A1, 2.434%, 08/25/2034 (I)	81,702	77,807
MASTR Alternative Loan Trust Series 2004-4, Class 8A1 6.500%, 05/25/2034	165,569	160,679
Merrill Lynch Mortgage Investors Trust Series 2005-A, Class A1 (1 month LIBOR + 0.460%) 2.084%, 03/25/2030 (A)	13,633	12,696
Merrill Lynch Mortgage Trust Series 2008-C1, Class X IO 0.000%, 02/12/2051 (D)	2,566,513	26
MFA Trust Series 2021-NQM1, Class A1 1.153%, 04/25/2065 (D)(I)	150,401	139,369
Morgan Stanley Bank of America Merrill Lynch Trust Series 2012-C6, Class XA IO, 1.695%, 11/15/2045 (D)	3,203,063	123
Series 2013-C7, Class XA IO, 1.399%, 02/15/2046	9,414,978	27,775
Series 2014-C17, Class XA IO, 1.187%, 08/15/2047	8,640,449	125,833
Morgan Stanley Capital I Trust Series 2017-CLS, Class D (1 month LIBOR + 1.400%), 2.724%, 11/15/2034 (A)(D)	173,000	170,240
Series 2019-L3, Class XA IO, 0.761%, 11/15/2052	21,388,518	794,087
Natixis Commercial Mortgage Securities Trust Series 2018-285M, Class D, 3.917%, 11/15/2032 (D)(I)	135,000	130,985
Series 2018-ALXA, Class C, 4.460%, 01/15/2043 (D)(I)	98,000	89,904
NYMT Loan Trust Series 2022-CP1, Class A1 2.042%, 07/25/2061 (D)	174,621	164,348
OBX Trust Series 2020-EXP2, Class A3, 2.500%, 05/25/2060 (D)(I)	123,336	114,094
Series 2021-NQM2, Class A1, 1.101%, 05/25/2061 (D)(I)	305,907	265,138
Series 2021-NQM3, Class A1, 1.054%, 07/25/2061 (D)(I)	370,263	320,009
One Market Plaza Trust Series 2017-IMKT, Class D 4.146%, 02/10/2032 (D)	90,000	84,728
Provident Funding Mortgage Trust Series 2020-F1, Class A2 2.000%, 01/25/2036 (D)(I)	326,448	295,402
Sequoia Mortgage Trust Series 2005-3, Class A1 (1 month LIBOR + 0.400%) 1.995%, 05/20/2035 (A)	33,707	30,413
SLG Office Trust Series 2021-OVA, Class D 2.851%, 07/15/2041 (D)	352,000	281,814

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
SMRT		
Series 2022-MINI, Class A (1 month CME Term SOFR + 1.000%) 2.279%, 01/15/2039 (A)(D)	\$ 791,000	\$ 760,324
Starwood Mortgage Residential Trust		
Series 2022-1, Class A1 2.447%, 12/25/2066 (D)(I)	367,788	341,987
Structured Asset Securities Corp.		
Series 1998-RF2, Class A 4.739%, 07/15/2027 (D)(I)	38,237	38,107
Towd Point Mortgage Trust		
Series 2015-1, Class A5, 3.193%, 10/25/2053 (D)(I)	123,000	120,288
Series 2015-2, Class 1M2, 3.322%, 11/25/2060 (D)(I)	175,000	173,721
Series 2015-6, Class M2, 3.750%, 04/25/2055 (D)(I)	1,000,000	955,104
Series 2017-2, Class A1, 2.750%, 04/25/2057 (D)(I)	11,161	11,089
Series 2018-1, Class A1, 3.000%, 01/25/2058 (D)(I)	55,295	54,266
Series 2018-4, Class A1, 3.000%, 06/25/2058 (D)(I)	235,263	225,372
Series 2018-5, Class A1A, 3.250%, 07/25/2058 (D)(I)	28,177	27,620
Series 2018-6, Class A1A, 3.750%, 03/25/2058 (D)(I)	192,282	191,078
Series 2019-1, Class A1, 3.656%, 03/25/2058 (D)(I)	196,947	192,137
Series 2019-4, Class A1, 2.900%, 10/25/2059 (D)(I)	177,997	172,349
Series 2020-4, Class A1, 1.750%, 10/25/2060 (D)	264,742	243,055
UBS-Barclays Commercial Mortgage Trust		
Series 2012-C2, Class XA IO 1.137%, 05/10/2063 (D)	1,346,503	29
Velocity Commercial Capital Loan Trust		
Series 2018-2, Class M1 4.260%, 10/26/2048 (D)(I)	191,624	183,285
Verus Securitization Trust		
Series 2020-5, Class A1 (1.218% to 10-25-24, then 2.218% thereafter), 1.218%, 05/25/2065 (D)	100,271	95,050
Series 2021-3, Class A1, 1.046%, 06/25/2066 (D)(I)	291,098	257,278
Series 2021-4, Class A1, 0.938%, 07/25/2066 (D)(I)	163,264	142,883
Series 2021-5, Class A1, 1.013%, 09/25/2066 (D)(I)	309,033	268,813
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (D)(I)	147,202	143,387
Washington Mutual Mortgage Pass Through Certificates		
Series 2005-1, Class 6A1 6.500%, 03/25/2035	184,049	167,010
Wells Fargo Commercial Mortgage Trust		
Series 2019-C54, Class A3 2.892%, 12/15/2052	500,000	450,386
WF-RBS Commercial Mortgage Trust		
Series 2012-C10, Class XA IO, 1.614%, 12/15/2045 (D)	5,012,881	4,686

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
WF-RBS Commercial		
Mortgage Trust (continued)		
Series 2012-C9, Class XA IO, 1.977%, 11/15/2045 (D)	\$ 4,102,122	\$ 191
		39,976,697
U.S. Government Agency – 2.7%		
Federal Home Loan Mortgage Corp.		
Series 2021-HQA3, Class M2 (1 month SOFR + 2.100%), 3.026%, 09/25/2041 (A)(D)	1,000,000	874,021
Series 2022-DNA1, Class M1A (1 month SOFR + 1.000%), 1.926%, 01/25/2042 (A)(D)	407,000	392,692
Series 2022-DNA2, Class M1A (1 month SOFR + 1.300%), 2.226%, 02/25/2042 (A)(D)	276,638	270,284
Series 2022-DNA2, Class M1B (1 month SOFR + 2.400%), 3.326%, 02/25/2042 (A)(D)	342,000	315,553
Series 2022-DNA3, Class M1A (1 month SOFR + 2.000%), 2.926%, 04/25/2042 (A)(D)	365,862	360,117
Series 2022-DNA3, Class M1B (1 month SOFR + 2.900%), 3.826%, 04/25/2042 (A)(D)	205,000	192,706
Series 2022-DNA4, Class M1A (1 month SOFR + 2.200%), 3.126%, 05/25/2042 (A)(D)	269,462	266,060
Series 2022-DNA4, Class M1B (1 month SOFR + 3.350%), 4.276%, 05/25/2042 (A)(D)	304,000	289,011
Series 2022-DNA5, Class M1B (1 month SOFR + 4.500%), 5.279%, 06/25/2042 (A)(D)	335,000	336,683
Series 290, Class IO, 3.500%, 11/15/2032	776,637	86,155
Series 3387, Class SB IO, 5.096%, 11/15/2037	778,846	76,599
Series 3632, Class AP, 3.000%, 02/15/2040	465,590	457,498
Series K022, Class X1 IO, 1.246%, 07/25/2022	393,239	9
Series K026, Class X1 IO, 1.039%, 11/25/2022	8,838,927	16,082
Series K109, Class X1 IO, 1.697%, 04/25/2030	3,120,576	303,046
Series KS01, Class X1 IO, 1.254%, 01/25/2023	1,897,156	3,419
Series T-41, Class 3A, 4.493%, 07/25/2032 (I)	42,498	42,787
Federal National Mortgage Association		
Series 2001-50, Class BA, 7.000%, 10/25/2041	5,010	5,331
Series 2002-W3, Class A5, 7.500%, 11/25/2041	48,455	54,309
Series 2011-41, Class KA, 4.000%, 01/25/2041	69,987	70,186
Series 2012-137, Class WI IO, 3.500%, 12/25/2032	740,023	84,640
Series 2012-21, Class PA, 2.000%, 03/25/2041	784,798	759,837
Series 2012-38, Class PA, 2.000%, 09/25/2041	472,517	450,412

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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 2015-C01, Class 1M2 (1 month LIBOR + 4.300%), 5.924%, 02/25/2025 (A)	\$ 61,658	\$ 62,303
Series 2016-M11, Class X1 IO, 0.508%, 07/25/2026	20,986,227	302,802
Series 2016-M12, Class X2 IO, 0.034%, 09/25/2026	30,686,813	21,103
Series 2019-M25, Class X IO, 0.221%, 11/25/2029	32,692,170	423,001
Series 2020-R02, Class 2M2 (1 month LIBOR + 2.000%), 3.624%, 01/25/2040 (A)(D)	177,838	175,170
Series 2021-31, Class IE IO, 2.742%, 03/25/2050	2,594,000	231,881
Series 2021-M8, Class X IO, 0.496%, 11/25/2035	11,492,810	359,400
Series 2022-22, Class B, 2.000%, 07/25/2054	1,007,717	746,118
Series 2022-R03, Class 1M1 (1 month SOFR + 2.100%), 3.026%, 03/25/2042 (A)(D)	343,331	337,267
Series 2022-R04, Class 1M1 (1 month SOFR + 2.000%), 2.926%, 03/25/2042 (A)(D)	147,101	144,224
Government National		
Mortgage Association		
Series 2008-90, Class IO, 2.009%, 12/16/2050	2,056,557	278,635
Series 2010-147, Class SA IO, 4.575%, 05/20/2040	380,734	19,854
Series 2010-85, Class SB IO, 5.091%, 03/16/2040	749,614	57,334
Series 2012-114, Class IO, 0.636%, 01/16/2053	331,155	5,972
Series 2012-120, Class IO, 0.648%, 02/16/2053	4,023,090	72,708
Series 2012-70, Class IO, 0.094%, 08/16/2052	393,237	322
Series 2015-41, Class IO, 0.308%, 09/16/2056	2,413,214	39,773
Series 2016-162, Class IO, 0.725%, 09/16/2058	3,714,552	136,218
Series 2016-174, Class IO, 0.848%, 11/16/2056	416,798	18,897
Series 2017-109, Class IO, 0.288%, 04/16/2057	781,186	18,484
Series 2017-124, Class IO, 0.611%, 01/16/2059	687,920	23,425
Series 2017-135, Class IO, 0.721%, 10/16/2058	1,017,880	44,371
Series 2017-140, Class IO, 0.489%, 02/16/2059	399,419	14,653
Series 2017-159, Class IO, 0.438%, 06/16/2059	9,856,039	377,750
Series 2017-169, Class IO, 0.589%, 01/16/2060	1,923,679	75,828
Series 2017-20, Class IO, 0.610%, 12/16/2058	1,923,421	61,047
Series 2017-22, Class IO, 0.776%, 12/16/2057	212,739	9,187
Series 2017-23, Class IO, 0.617%, 05/16/2059	6,763,667	266,325

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2017-41, Class IO, 0.652%, 07/16/2058	\$ 740,493	\$ 25,115
Series 2017-46, Class IO, 0.645%, 11/16/2057	722,994	28,864
Series 2017-50, Class IO, 0.646%, 01/16/2057	10,587,909	415,741
Series 2017-53, Class IO, 0.516%, 11/16/2056	10,377,988	375,942
Series 2017-61, Class IO, 0.769%, 05/16/2059	379,143	16,476
Series 2018-158, Class IO, 0.761%, 05/16/2061	1,676,152	94,665
Series 2018-35, Class IO, 0.527%, 03/16/2060	1,565,942	65,723
Series 2018-43, Class IO, 0.497%, 05/16/2060	1,651,037	64,692
Series 2018-69, Class IO, 0.601%, 04/16/2060	396,175	20,638
Series 2018-81, Class IO, 0.475%, 01/16/2060	288,825	14,174
Series 2018-85, Class IO, 0.540%, 07/16/2060	5,536,954	267,123
Series 2018-9, Class IO, 0.448%, 01/16/2060	1,724,837	66,462
Series 2019-131, Class IO, 0.802%, 07/16/2061	1,271,559	76,845
Series 2020-100, Class IO, 0.794%, 05/16/2062	1,487,487	98,298
Series 2020-108, Class IO, 0.847%, 06/16/2062	3,247,169	211,645
Series 2020-114, Class IO, 0.798%, 09/16/2062	3,611,798	241,400
Series 2020-118, Class IO, 0.899%, 06/16/2062	2,534,534	174,145
Series 2020-119, Class IO, 0.601%, 08/16/2062	1,429,572	80,948
Series 2020-120, Class IO, 0.768%, 05/16/2062	812,849	53,263
Series 2020-137, Class IO, 0.793%, 09/16/2062	3,727,373	237,254
Series 2020-143, Class IB IO, 0.872%, 03/16/2062	4,411,871	288,974
Series 2020-150, Class IO, 0.952%, 12/16/2062	2,350,263	177,509
Series 2020-161, Class IA IO, 0.500%, 08/16/2062	17,259,357	474,803
Series 2020-170, Class IO, 0.835%, 11/16/2062	3,007,398	209,626
Series 2020-28, Class IO, 0.820%, 11/16/2061	5,478,125	349,106
Series 2020-92, Class IO, 0.876%, 02/16/2062	3,417,408	240,226
Series 2021-11, Class IA IO, 0.250%, 12/16/2062	23,136,913	323,776
Series 2021-3, Class IO, 0.866%, 09/16/2062	3,771,707	268,096
Series 2021-40, Class IO, 0.822%, 02/16/2063	943,750	66,536
Series 2022-17, Class IO, 0.802%, 06/16/2064	2,055,179	150,399

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued) Series 2022-21, Class IO, 0.785%, 10/16/2063	\$ 906,731	\$ 65,427
		15,275,380
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$65,198,874)		\$ 55,252,077
ASSET BACKED SECURITIES – 7.2%		
Aegis Asset Backed Securities Trust Series 2004-3, Class M1 (1 month LIBOR + 0.900%) 2.524%, 09/25/2034 (A)	458,464	450,509
Aligned Data Centers Issuer LLC Series 2021-1A, Class A2 1.937%, 08/15/2046 (D)	692,000	611,342
Amresco Residential Securities Corp. Mortgage Loan Trust Series 1998-1, Class A6 6.510%, 08/25/2027 (I)	1	1
AMSR Trust Series 2020-SFR4, Class A 1.355%, 11/17/2037 (D)	422,000	389,561
Series 2021-SFR4, Class A 2.117%, 12/17/2038 (D)	205,000	185,549
Applebee's Funding LLC Series 2019-1A, Class A2I 4.194%, 06/05/2049 (D)	400,950	388,966
Aqua Finance Trust Series 2021-A, Class A 1.540%, 07/17/2046 (D)	179,044	165,402
Arby's Funding LLC Series 2020-1A, Class A2 3.237%, 07/30/2050 (D)	466,688	419,290
ARL First LLC Series 2012-1A, Class A2 3.810%, 12/15/2042 (D)	900,000	895,529
Avis Budget Rental Car Funding AESOP LLC Series 2019-3A, Class A 2.360%, 03/20/2026 (D)	420,000	400,176
Series 2020-1A, Class A 2.330%, 08/20/2026 (D)	333,000	316,591
BMW Vehicle Lease Trust Series 2022-1, Class A3 1.100%, 03/25/2025	173,000	166,993
Bojangles Issuer LLC Series 2020-1A, Class A2 3.832%, 10/20/2050 (D)	107,730	102,090
BRE Grand Islander Timeshare Issuer LLC Series 2019-A, Class A 3.280%, 09/26/2033 (D)	139,396	133,992
Carlyle Global Market Strategies Series 2018-4A, Class C (3 month LIBOR + 2.900%) 3.963%, 01/20/2031 (A)(D)	530,000	475,557
CarMax Auto Owner Trust Series 2022-1, Class A3 1.470%, 12/15/2026	236,000	225,707
CARS-DB4 LP Series 2020-1A, Class A1 2.690%, 02/15/2050 (D)	895,518	847,799

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
CARS-DB4 LP (continued) Series 2020-1A, Class A4 3.190%, 02/15/2050 (D)	\$ 994,792	\$ 950,003
Series 2020-1A, Class B1 4.170%, 02/15/2050 (D)	266,000	250,184
Centex Home Equity Loan Trust Series 2005-A, Class M4 (1 month LIBOR + 1.200%) 2.824%, 01/25/2035 (A)	156,736	146,763
CF Hippolyta LLC Series 2020-1, Class A1 1.690%, 07/15/2060 (D)	494,310	447,912
Series 2021-1A, Class A1 1.530%, 03/15/2061 (D)	466,821	411,509
Chase Auto Credit Linked Notes Series 2021-3, Class B 0.760%, 02/26/2029 (D)	209,850	202,782
Citibank Credit Card Issuance Trust Series 2017-A6, Class A6 (1 month LIBOR + 0.770%) 2.052%, 05/14/2029 (A)	565,000	556,413
Series 2017-A7, Class A7 (1 month LIBOR + 0.370%) 1.530%, 08/08/2024 (A)	3,000,000	3,000,520
CLI Funding VI LLC Series 2020-1A, Class A 2.080%, 09/18/2045 (D)	584,893	522,401
CLI Funding VIII LLC Series 2021-1A, Class A 1.640%, 02/18/2046 (D)	368,182	324,706
Series 2022-1A, Class A 2.720%, 01/18/2047 (D)	307,561	275,110
ContiMortgage Home Equity Loan Trust Series 1995-2, Class A5 8.100%, 08/15/2025	5,689	4,936
Credit-Based Asset Servicing & Securitization LLC Series 2006-MH1, Class B1 6.250%, 10/25/2036 (D)	2,432,129	2,344,230
DataBank Issuer Series 2021-1A, Class A2 2.060%, 02/27/2051 (D)	225,000	203,494
DB Master Finance LLC Series 2017-1A, Class A2II 4.030%, 11/20/2047 (D)	190,543	182,343
Series 2021-1A, Class A2I 2.045%, 11/20/2051 (D)	684,560	607,790
Series 2021-1A, Class A2II 2.493%, 11/20/2051 (D)	995,000	857,137
Diamond Infrastructure Funding LLC Series 2021-1A, Class B 2.355%, 04/15/2049 (D)	1,000,000	858,780
Series 2021-1A, Class C 3.475%, 04/15/2049 (D)	104,000	88,429
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (D)	454,813	434,589
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (D)	1,325,610	1,155,453
Driven Brands Funding LLC Series 2020-2A, Class A2 3.237%, 01/20/2051 (D)	272,550	245,362
Series 2021-1A, Class A2 2.791%, 10/20/2051 (D)	430,835	359,405

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Elmwood CLO IV, Ltd. Series 2020-1A, Class A (3 month LIBOR + 1.240%) 2.284%, 04/15/2033 (A)(D)	\$ 331,000	\$ 322,261
FirstKey Homes Trust Series 2020-SFR1, Class A 1.339%, 08/17/2037 (D)	589,357	546,900
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (D)	651,361	600,064
Series 2021-SFR1, Class A 1.538%, 08/17/2038 (D)	325,728	291,856
Series 2021-SFR1, Class D 2.189%, 08/17/2038 (D)	346,000	304,993
Five Guys Funding LLC Series 2017-1A, Class A2 4.600%, 07/25/2047 (D)	672,915	651,444
FOCUS Brands Funding LLC Series 2017-1A, Class A2IB 3.857%, 04/30/2047 (D)	149,409	143,720
Ford Credit Auto Owner Trust Series 2022-A, Class A3 1.290%, 06/15/2026	129,000	123,803
Ford Credit Floorplan Master Owner Trust Series 2019-2, Class A 3.060%, 04/15/2026	621,000	611,888
GM Financial Automobile Leasing Trust Series 2021-2, Class A4 0.410%, 05/20/2025	125,000	120,369
GM Financial Consumer Automobile Receivables Trust Series 2021-4, Class A3 0.680%, 09/16/2026	135,000	128,703
Series 2022-1, Class A3 1.260%, 11/16/2026	112,000	107,088
Golub Capital Partners Funding, Ltd. Series 2020-1A, Class A2 3.208%, 01/22/2029 (D)	274,000	262,928
Series 2021-1A, Class A2 2.773%, 04/20/2029 (D)	335,000	317,052
HI-FI Music IP Issuer LP Series 2022-1A, Class A2 3.939%, 02/01/2062 (D)	285,000	272,423
Hilton Grand Vacations Trust Series 2017-AA, Class A 2.660%, 12/26/2028 (D)	125,610	123,792
Series 2018-AA, Class A 3.540%, 02/25/2032 (D)	88,732	87,316
Home Partners of America Trust Series 2021-2, Class A 1.901%, 12/17/2026 (D)	218,598	195,193
Honda Auto Receivables Owner Trust Series 2021-2, Class A4 0.550%, 08/16/2027	247,000	231,218
Hyundai Auto Lease Securitization Trust Series 2022-A, Class A3 1.160%, 01/15/2025 (D)	207,000	199,929
ITE Rail Fund Levered LP Series 2021-3A, Class A 2.210%, 06/28/2051 (D)	476,463	426,481
Jack in the Box Funding LLC Series 2019-1A, Class A23 4.970%, 08/25/2049 (D)	263,663	244,443
Series 2022-1A, Class A21 3.445%, 02/26/2052 (D)	386,060	352,142

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Laurel Road Prime Student Loan Trust Series 2019-A, Class A2FX 2.730%, 10/25/2048 (D)	\$ 34,511	\$ 34,098
Mercedes-Benz Auto Receivables Trust Series 2021-1, Class A3 0.460%, 06/15/2026	275,000	263,452
MVW Owner Trust Series 2018-1A, Class A 3.450%, 01/21/2036 (D)	146,154	143,718
Navient Private Education Loan Trust Series 2016-AA, Class A2A 3.910%, 12/15/2045 (D)	88,002	87,236
Navient Private Education Refi Loan Trust Series 2019-FA, Class A2 2.600%, 08/15/2068 (D)	188,069	179,185
Navient Student Loan Trust Series 2020-2A, Class A1A 1.320%, 08/26/2069 (D)	233,043	205,449
Neighborhoodly Issuer LLC Series 2021-1A, Class A2 3.584%, 04/30/2051 (D)	621,720	539,571
Series 2022-1A, Class A2 3.695%, 01/30/2052 (D)	252,368	217,364
New Economy Assets Phase 1 Sponsor LLC Series 2021-1, Class A1 1.910%, 10/20/2061 (D)	607,000	529,372
Series 2021-1, Class B1 2.410%, 10/20/2061 (D)	184,000	159,267
NRZ Excess Spread-Collateralized Notes Series 2021-FHT1, Class A 3.104%, 07/25/2026 (D)	104,734	95,421
Oxford Finance Funding LLC Series 2019-1A, Class A2 4.459%, 02/15/2027 (D)	141,488	141,059
Progress Residential Trust Series 2020-SFR1, Class A 1.732%, 04/17/2037 (D)	209,000	198,408
Series 2021-SFR8, Class B 1.681%, 10/17/2038 (D)	216,000	190,247
Renaissance Home Equity Loan Trust Series 2005-2, Class AF4 4.934%, 08/25/2035	62,257	61,053
Santander Retail Auto Lease Trust Series 2022-A, Class A3 1.340%, 07/21/2025 (D)	188,000	178,621
Santander Revolving Auto Loan Trust Series 2019-A, Class A 2.510%, 01/26/2032 (D)	611,000	584,043
ServiceMaster Funding LLC Series 2021-1, Class A2I 2.865%, 07/30/2051 (D)	314,623	269,548
Sesac Finance LLC Series 2019-1, Class A2 5.216%, 07/25/2049 (D)	396,780	381,046
Sierra Timeshare Receivables Funding LLC Series 2019-1A, Class A 3.200%, 01/20/2036 (D)	49,960	48,970
SMB Private Education Loan Trust Series 2019-B, Class A2A 2.840%, 06/15/2037 (D)	265,139	256,700
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (D)	301,515	274,614
Series 2021-A, Class APT2 1.070%, 01/15/2053 (D)	230,819	204,043

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
SMB Private Education Loan Trust (continued)		
Series 2021-E, Class A1A 1.680%, 02/15/2051 (D)	\$ 1,238,977	\$ 1,153,698
Sonic Capital LLC		
Series 2020-1A, Class A21 3.845%, 01/20/2050 (D)	410,337	387,214
Series 2021-1A, Class A21 2.190%, 08/20/2051 (D)	327,525	277,873
Store Master Funding I-VII & XIV		
Series 2019-1, Class A2 3.650%, 11/20/2049 (D)	286,775	268,247
Sunbird Engine Finance LLC		
Series 2020-1A, Class A 3.671%, 02/15/2045 (D)	188,399	161,137
Taco Bell Funding LLC		
Series 2021-1A, Class A21 1.946%, 08/25/2051 (D)	665,655	579,929
TAL Advantage VII LLC		
Series 2020-1A, Class B 3.290%, 09/20/2045 (D)	408,125	375,898
TIF Funding II LLC		
Series 2021-1A, Class A 1.650%, 02/20/2046 (D)	284,867	245,005
Toyota Auto Loan Extended Note Trust		
Series 2019-1A, Class A 2.560%, 11/25/2031 (D)	868,000	849,140
Toyota Auto Receivables Owner Trust		
Series 2022-A, Class A3 1.230%, 06/15/2026	347,000	333,078
Tricon American Homes Trust		
Series 2020-SFR2, Class D 2.281%, 11/17/2039 (D)	500,000	425,121
Trimaran Cavu, Ltd.		
Series 2019-1A, Class D (3 month LIBOR + 4.150%) 5.213%, 07/20/2032 (A)(D)	400,000	374,523
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (D)	564,379	501,908
Series 2021-1A, Class A 1.860%, 03/20/2046 (D)	392,356	342,451
Vantage Data Centers LLC		
Series 2020-1A, Class A2 1.645%, 09/15/2045 (D)	318,000	289,539
Series 2020-2A, Class A2 1.992%, 09/15/2045 (D)	312,000	271,541
Verizon Master Trust		
Series 2022-2, Class A 1.530%, 07/20/2028	289,000	273,133
VR Funding LLC		
Series 2020-1A, Class A 2.790%, 11/15/2050 (D)	379,479	344,473
VSE VOI Mortgage LLC		
Series 2017-A, Class A 2.330%, 03/20/2035 (D)	145,262	140,281
Wendy's Funding LLC		
Series 2021-1A, Class A21 2.370%, 06/15/2051 (D)	382,140	323,902

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)	\$ 140,875	\$ 119,766
Zaxby's Funding LLC		
Series 2021-1A, Class A2 3.238%, 07/30/2051 (D)	409,903	356,477
TOTAL ASSET BACKED SECURITIES (Cost \$44,108,259)		\$ 40,908,130
COMMON STOCKS – 0.1%		
Energy – 0.0%		
Noble Corp. (C)	378	9,584
Utilities – 0.1%		
Algonquin Power & Utilities Corp.	8,150	356,644
TOTAL COMMON STOCKS (Cost \$412,556)		\$ 366,228
PREFERRED SECURITIES – 0.1%		
Communication services – 0.0%		
Telephone & Data Systems, Inc., 6.625%	7,625	154,330
Consumer staples – 0.0%		
Ocean Spray Cranberries, Inc., 6.250% (D)	2,216	211,628
Financials – 0.0%		
Wells Fargo & Company, 7.500%	55	66,853
Utilities – 0.1%		
NextEra Energy, Inc., 5.279%	4,350	215,978
NiSource, Inc., 7.750%	1,800	204,696
		420,674
TOTAL PREFERRED SECURITIES (Cost \$844,935)		\$ 853,485
WARRANTS – 0.0%		
Noble Corp. (Expiration Date: 2-5-28; Strike Price: \$23.13) (C)	1,540	16,940
TOTAL WARRANTS (Cost \$2,792)		\$ 16,940
ESCROW CERTIFICATES – 0.0%		
LSC Communications, Inc. (C)(D)	420,000	265
TOTAL ESCROW CERTIFICATES (Cost \$0)		\$ 265
SHORT-TERM INVESTMENTS – 2.7%		
Short-term funds – 1.7%		
John Hancock Collateral Trust, 1.4215% (K)(L)	359,077	3,589,479
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.7415% (K)	6,076,261	6,076,261
		9,665,740
Repurchase agreement – 1.0%		
Repurchase Agreement with State Street Corp. dated 6-30-22 at 0.240% to be repurchased at \$5,551,037 on 7-1-22, collateralized by \$5,668,300 U.S. Treasury Notes, 3.000% due 6-30-24 (valued at \$5,662,099)	\$ 5,551,000	5,551,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$15,217,212)		\$ 15,216,740
Total Investments (Active Bond Trust) (Cost \$632,405,352) – 101.9%		\$ 579,774,022
Other assets and liabilities, net – (1.9%)		(10,948,568)
TOTAL NET ASSETS – 100.0%		\$ 568,825,454

Currency Abbreviations

ARS	Argentine Peso
EUR	Euro
GBP	Pound Sterling
MXN	Mexican Peso

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Active Bond Trust (continued)

Security Abbreviations and Legend

CME	Chicago Mercantile Exchange
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)	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)	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 \$129,764,785 or 22.8% of the fund's net assets as of 6-30-22.
(E)	All or a portion of this security is on loan as of 6-30-22.
(F)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(G)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(H)	This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).
(I)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(J)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(K)	The rate shown is the annualized seven-day yield as of 6-30-22.
(L)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

Core Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 53.7%		
U.S. Government – 27.9%		
U.S. Treasury Bonds		
1.125%, 05/15/2040 to 08/15/2040	\$ 26,473,000	\$ 18,357,806
1.375%, 11/15/2040 to 08/15/2050	23,088,000	16,308,563
1.625%, 11/15/2050	5,045,000	3,548,251
1.750%, 08/15/2041	26,593,000	20,228,339
1.875%, 02/15/2041 to 11/15/2051	4,904,000	3,775,428
2.000%, 08/15/2051	6,948,000	5,369,773
2.250%, 05/15/2041 to 02/15/2052	12,106,000	10,045,214
2.375%, 02/15/2042	1,199,000	1,016,715
2.875%, 05/15/2052	4,881,000	4,610,257
3.250%, 05/15/2042	3,836,000	3,743,696

Core Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes		
0.125%, 09/30/2022 to 04/30/2023	\$ 5,857,000	\$ 5,816,484
0.250%, 08/31/2025 to 09/30/2025	25,532,000	23,371,559
0.375%, 11/30/2025 to 01/31/2026	12,520,000	11,400,521
0.500%, 08/31/2027 to 10/31/2027	14,818,000	12,977,148
0.625%, 11/30/2027	2,627,000	2,306,834
0.750%, 03/31/2026 to 05/31/2026	7,825,000	7,169,755
1.000%, 07/31/2028	4,577,000	4,047,963
1.250%, 06/30/2028	3,714,000	3,341,004
1.375%, 10/31/2028	10,773,000	9,712,954
1.500%, 02/15/2025 to 08/15/2026	24,280,000	22,964,721
2.000%, 11/15/2026	6,822,000	6,522,472
2.375%, 05/15/2027	8,318,000	8,052,214
2.500%, 04/30/2024 to 05/31/2024	1,265,000	1,253,610
2.625%, 05/31/2027	4,888,000	4,795,586
2.750%, 02/15/2028 to 05/31/2029	9,181,000	9,017,061
2.875%, 06/15/2025 to 05/15/2032	4,873,000	4,829,213
3.250%, 06/30/2027 to 06/30/2029	7,994,000	8,081,753
		232,664,894
U.S. Government Agency – 25.8%		
Federal Home Loan Mortgage Corp.		
2.000%, 04/01/2041 (A)	433,723	388,780
2.000%, 11/01/2041 to 05/01/2042	8,639,647	7,711,926
2.425%, (12 month LIBOR + 1.638%), 09/01/2045 (B)	1,258,132	1,265,867
2.500%, 01/01/2036 to 03/01/2052	8,755,204	8,073,106
2.649%, (12 month LIBOR + 1.681%), 09/01/2047 (B)	657,902	665,394
2.804%, (12 month LIBOR + 1.641%), 05/01/2049 (B)	353,845	349,402
2.905%, (12 month LIBOR + 1.635%), 04/01/2048 (B)	1,404,409	1,420,591
3.000%, 12/01/2051 to 03/01/2052	2,819,957	2,656,622
3.313%, 12/14/2029 (C)	1,179,000	921,329
3.431%, (12 month LIBOR + 1.637%), 03/01/2049 (B)	570,103	570,862
3.912%, (1 month SOFR + 2.130%), 07/01/2052 (B)	409,000	409,287
4.000%, 01/01/2035 to 07/01/2049	2,959,519	2,980,869
4.303%, (1 month SOFR + 2.130%), 07/01/2052 (B)	503,000	508,709
4.500%, 06/01/2039 to 07/01/2039	96,159	98,694
5.000%, 03/01/2049	1,313,621	1,361,278
Federal National Mortgage Association		
1.500%, 10/01/2041 to 11/01/2041	8,082,303	6,948,988
1.611%, (1 month SOFR + 2.212%), 12/01/2051 (B)	283,108	261,251
2.000%, 01/01/2042 to 03/01/2042 (A)	8,603,333	7,676,893
2.000%, 10/01/2051 to 03/01/2052	10,421,839	9,067,762
2.267%, (12 month LIBOR + 1.579%), 06/01/2045 (B)	314,262	318,464
2.500%, TBA (A)	3,400,000	3,055,748
2.500%, 12/01/2035 to 03/01/2052	24,464,263	22,719,580
2.500%, 12/01/2047 (A)	1,858,223	1,709,629
2.574%, (12 month LIBOR + 1.584%), 01/01/2046 (B)	953,019	963,737
3.000%, 01/01/2043 to 07/01/2060	20,720,618	19,446,160
3.391%, 11/15/2030 (C)	3,465,000	2,609,856
3.500%, 04/01/2050 to 02/01/2052	5,143,016	5,029,878
4.000%, 09/01/2033 to 08/01/2059	8,391,594	8,452,036
4.206%, (1 month SOFR + 2.212%), 07/01/2052 (A)(B)	973,000	971,328
4.500%, TBA (A)	5,100,000	5,107,770
4.500%, 05/01/2034 to 08/01/2049	8,893,484	9,159,270

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
5.000%, TBA (A)	\$ 32,400,000	\$ 32,885,868
5.000%, 07/01/2044 to 11/01/2049	6,047,889	6,311,454
5.500%, TBA (A)	5,400,000	5,525,564
5.500%, 12/01/2048 to 06/01/2049	1,964,197	2,087,962
Government National		
Mortgage Association		
2.500%, 12/20/2051	6,421,680	5,891,074
3.000%, 10/20/2046 to 12/20/2051	7,788,338	7,348,499
3.500%, 01/20/2048	522,765	511,844
4.000%, 06/20/2047 to 07/20/2049	5,133,768	5,157,015
4.500%, TBA (A)	9,700,000	9,814,039
4.500%, 08/15/2047 to 05/20/2049	1,545,071	1,583,412
5.000%, 12/20/2039 to 03/20/2049	4,499,591	4,675,431
		214,673,228
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$479,952,493)		\$ 447,338,122
FOREIGN GOVERNMENT OBLIGATIONS – 0.9%		
Canada – 0.1%		
Province of Saskatchewan		
3.250%, 06/08/2027	437,000	434,597
Chile – 0.1%		
Republic of Chile		
3.500%, 01/31/2034	463,000	411,627
4.340%, 03/07/2042	938,000	835,066
		1,246,693
Indonesia – 0.0%		
Republic of Indonesia		
4.300%, 03/31/2052	388,000	337,326
Italy – 0.0%		
Republic of Italy		
3.875%, 05/06/2051	200,000	157,258
Mexico – 0.5%		
Government of Mexico		
3.500%, 02/12/2034	1,280,000	1,057,266
3.750%, 04/19/2071	688,000	436,859
4.280%, 08/14/2041	1,346,000	1,063,791
4.400%, 02/12/2052	783,000	588,450
4.500%, 04/22/2029	941,000	913,812
4.600%, 02/10/2048	200,000	158,096
		4,218,274
Paraguay – 0.1%		
Republic of Paraguay		
3.849%, 06/28/2033 (D)	245,000	199,704
4.950%, 04/28/2031 (D)	233,000	215,056
5.400%, 03/30/2050 (D)	545,000	422,404
		837,164
Peru – 0.1%		
Republic of Peru		
1.862%, 12/01/2032	522,000	395,732
3.600%, 01/15/2072	259,000	174,841
		570,573
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$9,231,773)		\$ 7,801,885
CORPORATE BONDS – 28.2%		
Communication services – 2.3%		
AT&T, Inc.		
1.700%, 03/25/2026	1,428,000	1,304,731
3.500%, 06/01/2041	306,000	244,334

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
AT&T, Inc. (continued)		
3.550%, 09/15/2055	\$ 300,000	\$ 224,772
3.650%, 06/01/2051 to 09/15/2059	832,000	630,723
3.800%, 12/01/2057	548,000	423,233
Charter Communications Operating LLC		
3.500%, 06/01/2041 to 03/01/2042	1,074,000	747,545
3.900%, 06/01/2052	790,000	548,429
Comcast Corp.		
2.650%, 08/15/2062	713,000	460,320
2.887%, 11/01/2051	143,000	102,155
Magallanes, Inc.		
3.638%, 03/15/2025 (D)	573,000	554,956
3.755%, 03/15/2027 (D)	871,000	816,991
4.054%, 03/15/2029 (D)	286,000	261,969
4.279%, 03/15/2032 (D)	472,000	421,846
5.050%, 03/15/2042 (D)	630,000	535,998
5.141%, 03/15/2052 (D)	1,041,000	873,763
5.391%, 03/15/2062 (D)	714,000	597,260
Netflix, Inc.		
3.625%, 06/15/2025 (D)(E)	34,000	32,415
5.375%, 11/15/2029 (D)	399,000	377,055
5.875%, 11/15/2028	548,000	535,785
Rogers Communications, Inc.		
4.550%, 03/15/2052 (D)	355,000	311,746
The Walt Disney Company		
2.750%, 09/01/2049	143,000	102,072
T-Mobile USA, Inc.		
2.250%, 02/15/2026	2,665,000	2,398,215
2.875%, 02/15/2031	194,000	161,065
3.375%, 04/15/2029	2,591,000	2,267,125
3.500%, 04/15/2031	703,000	606,991
Verizon Communications, Inc.		
1.750%, 01/20/2031	295,000	236,951
2.355%, 03/15/2032	1,345,000	1,115,192
2.550%, 03/21/2031	885,000	756,682
2.650%, 11/20/2040	1,201,000	881,013
3.700%, 03/22/2061	419,000	329,092
Vodafone Group PLC		
4.250%, 09/17/2050	114,000	95,252
5.000%, 05/30/2038	143,000	137,000
		19,092,676
Consumer discretionary – 2.1%		
Amazon.com, Inc.		
1.000%, 05/12/2026	1,953,000	1,776,069
1.650%, 05/12/2028 (E)	880,000	779,752
2.100%, 05/12/2031	1,097,000	939,752
2.500%, 06/03/2050	573,000	403,846
2.700%, 06/03/2060	282,000	191,007
2.875%, 05/12/2041	200,000	160,068
3.100%, 05/12/2051	125,000	98,433
3.450%, 04/13/2029	430,000	417,996
3.600%, 04/13/2032	563,000	542,122
3.950%, 04/13/2052	430,000	397,288
AutoNation, Inc.		
4.750%, 06/01/2030	501,000	471,285
Ford Motor Company		
4.750%, 01/15/2043	234,000	166,686
Ford Motor Credit Company LLC		
2.700%, 08/10/2026	1,168,000	995,311
2.900%, 02/10/2029	551,000	432,116
3.625%, 06/17/2031	667,000	516,925
General Motors Financial Company, Inc.		
3.100%, 01/12/2032	309,000	248,360
5.000%, 04/09/2027	581,000	569,936

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Hyundai Capital America		
0.800%, 01/08/2024 (D)	\$ 551,000	\$ 523,309
1.300%, 01/08/2026 (D)	604,000	536,063
2.000%, 06/15/2028 (D)	285,000	239,616
Marriott International, Inc.		
2.850%, 04/15/2031	381,000	315,956
3.500%, 10/15/2032	431,000	371,770
4.625%, 06/15/2030	1,192,000	1,142,752
McDonald's Corp.		
3.625%, 09/01/2049	466,000	384,758
4.200%, 04/01/2050	689,000	615,334
Tapestry, Inc.		
3.050%, 03/15/2032	497,000	404,913
Target Corp.		
2.950%, 01/15/2052	787,000	595,786
The Home Depot, Inc.		
2.375%, 03/15/2051	458,000	309,723
3.125%, 12/15/2049	556,000	432,169
3.250%, 04/15/2032	716,000	667,026
3.300%, 04/15/2040	119,000	101,025
3.625%, 04/15/2052	285,000	244,463
Toyota Motor Credit Corp.		
3.950%, 06/30/2025	886,000	889,179
4.450%, 06/29/2029	294,000	297,573
		17,178,367
Consumer staples – 0.7%		
Altria Group, Inc.		
2.350%, 05/06/2025	64,000	60,429
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	809,000	775,044
4.900%, 02/01/2046	1,531,000	1,438,971
Anheuser-Busch InBev Worldwide, Inc.		
3.750%, 07/15/2042	262,000	212,222
4.375%, 04/15/2038	851,000	780,483
BAT Capital Corp.		
4.390%, 08/15/2037	152,000	120,580
Bunge, Ltd. Finance Corp.		
1.630%, 08/17/2025	499,000	459,684
Keurig Dr. Pepper, Inc.		
4.050%, 04/15/2032	145,000	135,668
The Coca-Cola Company		
1.375%, 03/15/2031	147,000	119,658
1.650%, 06/01/2030	148,000	125,501
Viterra Finance BV		
4.900%, 04/21/2027 (D)	761,000	739,658
5.250%, 04/21/2032 (D)	761,000	707,243
		5,675,141
Energy – 1.6%		
Aker BP ASA		
3.750%, 01/15/2030 (D)	207,000	185,444
4.000%, 01/15/2031 (D)	349,000	313,486
BP Capital Markets America, Inc.		
2.939%, 06/04/2051	285,000	203,775
Diamondback Energy, Inc.		
4.400%, 03/24/2051	290,000	246,940
Energy Transfer LP		
4.400%, 03/15/2027	142,000	137,515
4.950%, 05/15/2028	1,055,000	1,031,230
5.300%, 04/15/2047	520,000	450,270
6.100%, 02/15/2042	149,000	138,563
6.125%, 12/15/2045	256,000	244,167
Exxon Mobil Corp.		
3.452%, 04/15/2051	803,000	656,026
Galaxy Pipeline Assets Bidco, Ltd.		
1.750%, 09/30/2027 (D)	868,827	806,934

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Galaxy Pipeline Assets		
Bidco, Ltd. (continued)		
2.160%, 03/31/2034 (D)	\$ 705,271	\$ 599,218
2.625%, 03/31/2036 (D)	459,000	371,627
2.940%, 09/30/2040 (D)	266,287	217,205
Kinder Morgan, Inc.		
3.250%, 08/01/2050	414,000	288,192
3.600%, 02/15/2051	344,000	253,281
Lundin Energy Finance BV		
2.000%, 07/15/2026 (D)	2,031,000	1,814,020
3.100%, 07/15/2031 (D)	882,000	729,662
MPLX LP		
4.950%, 03/14/2052	458,000	395,784
Ovintiv, Inc.		
7.375%, 11/01/2031	202,000	222,065
Petroleos Mexicanos		
2.378%, 04/15/2025	412,500	406,545
2.460%, 12/15/2025	1,134,350	1,112,432
Pioneer Natural Resources Company		
1.900%, 08/15/2030	485,000	396,109
2.150%, 01/15/2031	580,000	477,531
Targa Resources Corp.		
6.250%, 07/01/2052 (A)	443,000	444,397
Targa Resources Partners LP		
4.000%, 01/15/2032	193,000	165,162
4.875%, 02/01/2031	672,000	612,597
5.500%, 03/01/2030	169,000	161,256
		13,081,433
Financials – 10.3%		
Antares Holdings LP		
3.750%, 07/15/2027 (D)	866,000	728,086
Ares Capital Corp.		
3.200%, 11/15/2031	335,000	243,413
Athene Global Funding		
1.730%, 10/02/2026 (D)	1,296,000	1,124,723
1.985%, 08/19/2028 (D)	716,000	594,457
2.500%, 03/24/2028 (D)	1,003,000	861,483
2.514%, 03/08/2024 (D)	1,172,000	1,133,117
2.646%, 10/04/2031 (D)	946,000	754,572
3.205%, 03/08/2027 (D)	1,430,000	1,300,507
Bain Capital Specialty Finance, Inc.		
2.550%, 10/13/2026	191,000	163,515
Banco Santander SA (1.722% to 9-14-26, then 1 Year CMT + 0.900%) 09/14/2027	800,000	694,382
Banco Santander SA (3.225% to 11-22-31, then 1 Year CMT + 1.600%) 11/22/2032	400,000	316,361
Bank of America Corp.		
3.500%, 04/19/2026 (E)	146,000	142,240
Bank of America Corp. (1.530% to 12-6-24, then SOFR + 0.650%) 12/06/2025	2,036,000	1,894,386
Bank of America Corp. (1.658% to 3-11-26, then SOFR + 0.910%) 03/11/2027	2,275,000	2,038,921
Bank of America Corp. (1.734% to 7-22-26, then SOFR + 0.960%) 07/22/2027	1,727,000	1,535,123
Bank of America Corp. (1.922% to 10-24-30, then SOFR + 1.370%) 10/24/2031	479,000	382,620
Bank of America Corp. (2.496% to 2-13-30, then 3 month LIBOR + 0.990%) 02/13/2031	806,000	681,169

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	\$ 220,000	\$ 186,591
Bank of America Corp. (2.687% to 4-22-31, then SOFR + 1.320%) 04/22/2032	2,194,000	1,841,902
Bank of America Corp. (2.972% to 2-4-32, then SOFR + 1.330%) 02/04/2033	230,000	195,942
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,139,000	1,135,266
Bank of America Corp. (3.384% to 4-2-25, then SOFR + 1.330%) 04/02/2026	2,657,000	2,575,442
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,590,000	1,480,700
Blackstone Private Credit Fund 2.350%, 11/22/2024 (D)	532,000	489,021
2.625%, 12/15/2026 (D)	408,000	341,834
3.250%, 03/15/2027 (D)	589,000	499,720
4.000%, 01/15/2029 (D)	912,000	747,336
Brighthouse Financial, Inc. 3.850%, 12/22/2051	283,000	192,461
Citigroup, Inc. (4.658% to 5-24-27, then SOFR + 1.887%) 05/24/2028	725,000	719,416
Citigroup, Inc. (4.910% to 5-24-32, then SOFR + 2.086%) 05/24/2033	1,249,000	1,232,420
Cooperatieve Rabobank UA (3.649% to 4-6-27, then 1 Year CMT + 1.220%) 04/06/2028 (D)	2,255,000	2,141,932
Cooperatieve Rabobank UA (3.758% to 4-6-32, then 1 Year CMT + 1.420%) 04/06/2033 (D)	1,069,000	964,658
Deutsche Bank AG (3.742% to 10-7-31, then SOFR + 2.257%) 01/07/2033	1,622,000	1,180,662
Enstar Group, Ltd. 3.100%, 09/01/2031	720,000	574,201
F&G Global Funding 2.000%, 09/20/2028 (D)	604,000	508,130
FS KKR Capital Corp. 3.250%, 07/15/2027	64,000	54,458
GA Global Funding Trust 0.800%, 09/13/2024 (D)	1,106,000	1,013,227
GE Capital International Funding Company 4.418%, 11/15/2035	218,000	203,611
Jackson Financial, Inc. 5.170%, 06/08/2027	421,000	417,352
5.670%, 06/08/2032	580,000	560,330
JPMorgan Chase & Co. (1.040% to 2-4-26, then 3 month CME Term SOFR + 0.695%) 02/04/2027	2,868,000	2,536,526
JPMorgan Chase & Co. (1.045% to 11-19-25, then SOFR + 0.800%) 11/19/2026	1,599,000	1,421,430
JPMorgan Chase & Co. (1.470% to 9-22-26, then SOFR + 0.765%) 09/22/2027	713,000	625,344
JPMorgan Chase & Co. (1.561% to 12-10-24, then SOFR + 0.605%) 12/10/2025	4,483,000	4,188,141

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
JPMorgan Chase & Co. (2.083% to 4-22-25, then SOFR + 1.850%) 04/22/2026	\$ 365,000	\$ 341,302
JPMorgan Chase & Co. (2.182% to 6-1-27, then SOFR + 1.890%) 06/01/2028	879,000	781,491
JPMorgan Chase & Co. (2.301% to 10-15-24, then SOFR + 1.160%) 10/15/2025	179,000	170,444
JPMorgan Chase & Co. (4.323% to 4-26-27, then SOFR + 1.560%) 04/26/2028	1,442,000	1,418,245
JPMorgan Chase & Co. (4.565% to 6-14-29, then SOFR + 1.750%) 06/14/2030	725,000	711,771
JPMorgan Chase & Co. (4.586% to 4-26-32, then SOFR + 1.800%) 04/26/2033	441,000	433,168
KKR Group Finance Company XII LLC 4.850%, 05/17/2032 (D)	1,068,000	1,054,405
Liberty Mutual Group, Inc. 5.500%, 06/15/2052 (D)	434,000	411,077
Mitsubishi UFJ Financial Group, Inc. (0.953% to 7-19-24, then 1 Year CMT + 0.550%) 07/19/2025	1,359,000	1,268,121
Mitsubishi UFJ Financial Group, Inc. (1.538% to 7-20-26, then 1 Year CMT + 0.750%) 07/20/2027	516,000	455,734
Mitsubishi UFJ Financial Group, Inc. (1.640% to 10-13-26, then 1 Year CMT + 0.670%) 10/13/2027	772,000	680,454
Mitsubishi UFJ Financial Group, Inc. (2.309% to 7-20-31, then 1 Year CMT + 0.950%) 07/20/2032	820,000	667,513
Mitsubishi UFJ Financial Group, Inc. (2.341% to 1-19-27, then 1 Year CMT + 0.830%) 01/19/2028	428,000	385,780
Mitsubishi UFJ Financial Group, Inc. (2.494% to 10-13-31, then 1 Year CMT + 0.970%) 10/13/2032	260,000	213,980
Morgan Stanley (0.790% to 5-30-24, then SOFR + 0.525%) 05/30/2025	1,848,000	1,720,333
Morgan Stanley (0.791% to 1-22-24, then SOFR + 0.509%) 01/22/2025	2,122,000	2,005,874
Morgan Stanley (0.864% to 10-21-24, then SOFR + 0.745%) 10/21/2025	570,000	525,779
Morgan Stanley (0.985% to 12-10-25, then SOFR + 0.720%) 12/10/2026	1,459,000	1,292,573
Morgan Stanley (1.512% to 7-20-26, then SOFR + 0.858%) 07/20/2027	1,115,000	977,888
Morgan Stanley (2.239% to 7-21-31, then SOFR + 1.178%) 07/21/2032	851,000	689,397
Morgan Stanley (2.475% to 1-21-27, then SOFR + 1.000%) 01/21/2028	285,000	259,077
Morgan Stanley (4.210% to 4-20-27, then SOFR + 1.610%) 04/20/2028	424,000	414,526
Morgan Stanley Direct Lending Fund 4.500%, 02/11/2027 (D)	393,000	357,037
NatWest Group PLC (5.516% to 9-30-27, then 1 Year CMT + 2.270%) 09/30/2028	1,200,000	1,208,548
Nomura Holdings, Inc. 5.099%, 07/03/2025	1,190,000	1,195,169
5.386%, 07/06/2027	1,040,000	1,040,408
5.605%, 07/06/2029	1,190,000	1,190,808

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Owl Rock Capital Corp. 3.400%, 07/15/2026	\$ 817,000	\$ 717,573
Owl Rock Capital Corp. III 3.125%, 04/13/2027 (D)	676,000	577,247
Owl Rock Core Income Corp. 4.700%, 02/08/2027 (D)	240,000	218,923
SBL Holdings, Inc. 5.000%, 02/18/2031 (D)	993,000	826,927
Stewart Information Services Corp. 3.600%, 11/15/2031	386,000	320,172
Sumitomo Mitsui Financial Group, Inc. 1.402%, 09/17/2026	1,007,000	888,970
1.902%, 09/17/2028	1,730,000	1,466,435
The Bank of New York Mellon Corp. (4.289% to 6-13-32, then SOFR + 1.418%) 06/13/2033	1,448,000	1,416,481
The Goldman Sachs Group, Inc. 2.600%, 02/07/2030	371,000	316,432
The Goldman Sachs Group, Inc. (0.657% to 9-10-23, then SOFR + 0.505%) 09/10/2024	1,436,000	1,373,902
The Goldman Sachs Group, Inc. (0.925% to 10-21-23, then SOFR + 0.486%) 10/21/2024	2,872,000	2,746,367
The Goldman Sachs Group, Inc. (1.757% to 1-24-24, then SOFR + 0.730%) 01/24/2025	1,560,000	1,499,644
The Goldman Sachs Group, Inc. (1.948% to 10-21-26, then SOFR + 0.913%) 10/21/2027	710,000	628,387
The Goldman Sachs Group, Inc. (2.650% to 10-21-31, then SOFR + 1.264%) 10/21/2032	496,000	408,722
The Goldman Sachs Group, Inc. (3.102% to 2-24-32, then SOFR + 1.410%) 02/24/2033	387,000	330,527
The Toronto-Dominion Bank 4.456%, 06/08/2032	870,000	860,286
Truist Financial Corp. (4.123% to 6-6-27, then SOFR + 1.368%) 06/06/2028	1,020,000	1,004,585
Trust Fibrá Uno 6.390%, 01/15/2050 (D)	356,000	283,198
UBS Group AG (4.488% to 5-12-25, then 1 Year CMT + 1.550%) 05/12/2026 (D)	765,000	762,078
UBS Group AG (4.751% to 5-12-27, then 1 Year CMT + 1.750%) 05/12/2028 (D)	628,000	621,488
Wells Fargo & Company (3.526% to 3-24-27, then SOFR + 1.510%) 03/24/2028	2,994,000	2,835,759
Wells Fargo & Company (3.908% to 4-25-25, then SOFR + 1.320%) 04/25/2026	1,139,000	1,120,190
		85,712,323
Health care – 2.8%		
AbbVie, Inc. 2.300%, 11/21/2022	893,000	891,223
3.200%, 11/21/2029	853,000	784,710
4.050%, 11/21/2039	339,000	302,297
4.250%, 11/21/2049	987,000	876,191
4.300%, 05/14/2036	208,000	195,376
4.450%, 05/14/2046	211,000	191,400

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Amgen, Inc. 3.000%, 01/15/2052	\$ 318,000	\$ 225,490
Astrazeneca Finance LLC 1.750%, 05/28/2028	1,010,000	891,034
AstraZeneca PLC 1.375%, 08/06/2030	289,000	237,216
Becton, Dickinson and Company 1.957%, 02/11/2031	226,000	182,422
Centene Corp. 2.450%, 07/15/2028	1,581,000	1,318,617
3.000%, 10/15/2030	313,000	259,399
Cigna Corp. 3.400%, 03/15/2050	146,000	111,436
4.900%, 12/15/2048	364,000	349,385
CSL Finance PLC 3.850%, 04/27/2027 (D)	143,000	141,653
4.050%, 04/27/2029 (D)	288,000	282,735
4.750%, 04/27/2052 (D)	538,000	513,995
CVS Health Corp. 3.000%, 08/15/2026	309,000	295,525
4.300%, 03/25/2028	652,000	645,102
5.050%, 03/25/2048	667,000	638,484
Danaher Corp. 2.600%, 10/01/2050	341,000	240,091
2.800%, 12/10/2051	228,000	164,247
DH Europe Finance II Sarl 2.050%, 11/15/2022	456,000	454,666
2.200%, 11/15/2024	785,000	753,025
Gilead Sciences, Inc. 2.600%, 10/01/2040	496,000	362,623
2.800%, 10/01/2050	462,000	322,402
4.000%, 09/01/2036	256,000	239,035
GSK Consumer Healthcare Capital US LLC 3.375%, 03/24/2027 to 03/24/2029 (D)	1,243,000	1,176,311
3.625%, 03/24/2032 (D)	1,068,000	987,004
4.000%, 03/24/2052 (D)	484,000	414,407
HCA, Inc. 3.500%, 09/01/2030	312,000	265,422
4.625%, 03/15/2052 (D)	311,000	248,819
Pfizer, Inc. 1.750%, 08/18/2031	579,000	484,206
2.550%, 05/28/2040	996,000	779,752
Roche Holdings, Inc. 2.076%, 12/13/2031 (D)	985,000	839,648
2.607%, 12/13/2051 (D)	401,000	291,153
Shire Acquisitions Investments Ireland DAC 2.875%, 09/23/2023	235,000	232,370
STERIS Irish FinCo Unlimited Company 3.750%, 03/15/2051	828,000	643,527
Takeda Pharmaceutical Company, Ltd. 2.050%, 03/31/2030	777,000	649,894
3.025%, 07/09/2040	354,000	272,454
3.175%, 07/09/2050	363,000	271,690
4.400%, 11/26/2023	578,000	582,323
Thermo Fisher Scientific, Inc. 1.750%, 10/15/2028	288,000	251,784
2.000%, 10/15/2031	484,000	405,779
2.800%, 10/15/2041	459,000	360,521
UnitedHealth Group, Inc. 2.750%, 05/15/2040	220,000	171,348
2.900%, 05/15/2050	509,000	381,202
3.050%, 05/15/2041	149,000	120,088
3.250%, 05/15/2051	779,000	611,242

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
UnitedHealth Group, Inc. (continued)		
4.000%, 05/15/2029	\$ 440,000	\$ 435,821
4.200%, 05/15/2032	294,000	293,760
4.625%, 07/15/2035	199,000	201,948
4.750%, 05/15/2052	30,000	29,985
		23,272,237
Industrials – 1.7%		
Adani International Container Terminal Private, Ltd.		
3.000%, 02/16/2031 (D)	270,720	229,712
AerCap Ireland Capital DAC		
1.150%, 10/29/2023	1,841,000	1,754,146
Burlington Northern Santa Fe LLC		
4.450%, 01/15/2053	436,000	421,668
Canadian Pacific Railway Company		
1.350%, 12/02/2024	710,000	667,899
1.750%, 12/02/2026	137,000	123,982
2.450%, 12/02/2031	117,000	100,103
3.000%, 12/02/2041	141,000	110,290
Crowley Conro LLC		
4.181%, 08/15/2043	487,195	494,299
Delta Air Lines, Inc.		
4.500%, 10/20/2025 (D)	1,162,000	1,129,072
4.750%, 10/20/2028 (D)	1,687,000	1,593,503
John Deere Capital Corp.		
2.125%, 03/07/2025	430,000	415,195
2.350%, 03/08/2027	714,000	668,846
Northrop Grumman Corp.		
4.400%, 05/01/2030	1,015,000	1,013,530
Parker-Hannifin Corp.		
4.250%, 09/15/2027	870,000	863,925
4.500%, 09/15/2029	581,000	578,123
Quanta Services, Inc.		
0.950%, 10/01/2024	570,000	527,167
The Boeing Company		
2.196%, 02/04/2026	1,085,000	977,982
3.250%, 02/01/2035	351,000	265,588
3.750%, 02/01/2050	627,000	442,433
Union Pacific Corp.		
2.400%, 02/05/2030	562,000	496,924
2.800%, 02/14/2032	714,000	635,549
3.375%, 02/14/2042	344,000	286,338
3.500%, 02/14/2053	485,000	395,024
		14,191,298
Information technology – 2.3%		
Advanced Micro Devices, Inc.		
3.924%, 06/01/2032	921,000	906,435
4.393%, 06/01/2052	436,000	424,301
Apple, Inc.		
2.375%, 02/08/2041	232,000	177,459
2.550%, 08/20/2060	41,000	28,078
2.650%, 05/11/2050 to 02/08/2051	636,000	469,003
2.800%, 02/08/2061	204,000	146,431
Broadcom, Inc.		
2.450%, 02/15/2031 (D)	500,000	401,719
3.150%, 11/15/2025	374,000	360,173
3.419%, 04/15/2033 (D)	1,361,000	1,125,199
3.469%, 04/15/2034 (D)	639,000	520,061
4.000%, 04/15/2029 (D)	573,000	530,939
4.150%, 11/15/2030	338,000	309,680
4.150%, 04/15/2032 (D)	430,000	388,206
4.926%, 05/15/2037 (D)	456,000	408,823
Dell International LLC		
3.375%, 12/15/2041 (D)	710,000	507,221
3.450%, 12/15/2051 (D)	853,000	577,123

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Dell International LLC (continued)		
4.900%, 10/01/2026	\$ 146,000	\$ 146,052
6.100%, 07/15/2027 (E)	291,000	305,101
Global Payments, Inc.		
1.500%, 11/15/2024	374,000	351,093
HP, Inc.		
2.200%, 06/17/2025	668,000	631,270
4.000%, 04/15/2029	1,003,000	939,697
4.200%, 04/15/2032	1,003,000	895,313
Intel Corp.		
2.800%, 08/12/2041	747,000	569,874
KLA Corp.		
3.300%, 03/01/2050	683,000	540,934
4.650%, 07/15/2032	739,000	753,883
4.950%, 07/15/2052	266,000	267,564
5.250%, 07/15/2062	355,000	365,936
NXP BV		
2.650%, 02/15/2032	591,000	485,474
3.250%, 05/11/2041	313,000	235,602
3.400%, 05/01/2030	396,000	349,322
4.400%, 06/01/2027	347,000	341,597
5.000%, 01/15/2033	867,000	846,090
VMware, Inc.		
0.600%, 08/15/2023	1,399,000	1,352,089
1.000%, 08/15/2024	994,000	929,824
1.400%, 08/15/2026	1,000,000	884,711
1.800%, 08/15/2028	172,000	142,839
4.700%, 05/15/2030	574,000	553,444
Xilinx, Inc.		
2.375%, 06/01/2030	245,000	216,037
		19,384,597
Materials – 0.5%		
Anglo American Capital PLC		
3.875%, 03/16/2029 (D)	641,000	589,517
4.750%, 03/16/2052 (D)	470,000	403,593
Freeport-McMoRan, Inc.		
5.250%, 09/01/2029	1,310,000	1,251,050
5.450%, 03/15/2043	443,000	409,797
Glencore Finance Canada, Ltd.		
6.000%, 11/15/2041 (D)	36,000	34,967
6.900%, 11/15/2037 (D)	331,000	369,752
Rohm and Haas Company		
7.850%, 07/15/2029	364,000	432,241
The Dow Chemical Company		
3.600%, 11/15/2050	291,000	222,153
7.375%, 11/01/2029	383,000	444,530
Westlake Corp.		
3.600%, 08/15/2026	313,000	304,707
		4,462,307
Real estate – 1.7%		
Agree LP		
2.000%, 06/15/2028	624,000	532,783
2.600%, 06/15/2033	142,000	112,441
American Campus Communities Operating Partnership LP		
2.250%, 01/15/2029	376,000	348,177
American Homes 4 Rent LP		
3.625%, 04/15/2032	573,000	502,285
4.300%, 04/15/2052	258,000	207,779
American Tower Corp.		
2.700%, 04/15/2031	228,000	187,633
3.650%, 03/15/2027	716,000	679,936
Brixmor Operating Partnership LP		
2.250%, 04/01/2028	200,000	171,508
2.500%, 08/16/2031	347,000	272,104

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
Crown Castle International Corp.		
1.050%, 07/15/2026	\$ 858,000	\$ 742,380
2.100%, 04/01/2031	591,000	470,065
2.900%, 03/15/2027 to 04/01/2041	1,082,000	968,565
3.300%, 07/01/2030	494,000	435,666
4.000%, 03/01/2027	143,000	138,919
Essex Portfolio LP		
1.700%, 03/01/2028	750,000	644,412
2.550%, 06/15/2031	295,000	246,586
Extra Space Storage LP		
2.350%, 03/15/2032	258,000	204,513
3.900%, 04/01/2029	286,000	267,818
Federal Realty Investment Trust		
3.950%, 01/15/2024	396,000	395,161
GLP Capital LP		
5.300%, 01/15/2029	289,000	276,027
Invitation Homes Operating Partnership LP		
4.150%, 04/15/2032	573,000	520,245
Mid-America Apartments LP		
3.950%, 03/15/2029	288,000	275,002
4.000%, 11/15/2025	351,000	348,505
4.300%, 10/15/2023	294,000	295,690
Realty Income Corp.		
2.200%, 06/15/2028	307,000	269,185
2.850%, 12/15/2032	416,000	357,568
3.400%, 01/15/2028	304,000	287,177
Regency Centers LP		
2.950%, 09/15/2029	622,000	546,520
Rexford Industrial Realty LP		
2.150%, 09/01/2031	318,000	249,984
Spirit Realty LP		
3.400%, 01/15/2030	203,000	175,783
STORE Capital Corp.		
2.700%, 12/01/2031	199,000	159,327
2.750%, 11/18/2030	508,000	414,019
4.500%, 03/15/2028	1,082,000	1,055,637
4.625%, 03/15/2029	366,000	357,090
Sun Communities Operating LP		
2.300%, 11/01/2028	286,000	244,647
4.200%, 04/15/2032	573,000	520,942
		13,882,079
Utilities – 2.2%		
American Transmission Systems, Inc.		
2.650%, 01/15/2032 (D)	199,000	168,543
Baltimore Gas and Electric Company		
2.250%, 06/15/2031	427,000	363,492
CenterPoint Energy Houston Electric LLC		
3.600%, 03/01/2052	315,000	269,872
Consumers Energy Company		
2.500%, 05/01/2060	243,000	157,331
2.650%, 08/15/2052	315,000	220,549
DTE Electric Company		
2.950%, 03/01/2050	499,000	380,674
3.650%, 03/01/2052	228,000	196,702
DTE Energy Company		
1.050%, 06/01/2025	300,000	275,931
Duke Energy Carolinas LLC		
2.550%, 04/15/2031	289,000	252,703
2.850%, 03/15/2032	529,000	469,363
3.550%, 03/15/2052	382,000	317,304
Duke Energy Corp.		
2.550%, 06/15/2031	342,000	284,114
3.500%, 06/15/2051	86,000	64,834

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Duke Energy Corp. (continued)		
3.750%, 09/01/2046	\$ 86,000	\$ 67,725
Duke Energy Florida LLC		
2.400%, 12/15/2031	425,000	363,428
Duke Energy Progress LLC		
2.500%, 08/15/2050	430,000	293,644
Entergy Arkansas LLC		
2.650%, 06/15/2051	383,000	265,423
Eversource Energy		
1.400%, 08/15/2026	241,000	215,173
3.375%, 03/01/2032	574,000	516,056
4.600%, 07/01/2027	738,000	743,903
Exelon Corp.		
4.100%, 03/15/2052 (D)	200,000	172,415
Florida Power & Light Company		
2.450%, 02/03/2032	741,000	645,667
Israel Electric Corp., Ltd.		
3.750%, 02/22/2032 (D)	278,000	248,667
ITC Holdings Corp.		
2.700%, 11/15/2022	579,000	576,826
Jersey Central Power & Light Company		
2.750%, 03/01/2032 (D)	467,000	397,209
Metropolitan Edison Company		
4.300%, 01/15/2029 (D)	502,000	493,788
MidAmerican Energy Company		
2.700%, 08/01/2052	369,000	264,835
Mississippi Power Company		
3.100%, 07/30/2051	512,000	361,859
3.950%, 03/30/2028	511,000	497,268
4.250%, 03/15/2042	196,000	170,734
NextEra Energy Capital Holdings, Inc.		
4.625%, 07/15/2027	591,000	599,068
5.000%, 07/15/2032	266,000	272,517
Northern States Power Company		
3.200%, 04/01/2052	288,000	226,190
NSTAR Electric Company		
3.100%, 06/01/2051	264,000	202,086
4.550%, 06/01/2052	347,000	337,519
Oncor Electric Delivery Company LLC		
2.700%, 11/15/2051	273,000	199,500
Pacific Gas & Electric Company		
2.100%, 08/01/2027	228,000	191,125
3.950%, 12/01/2047	619,000	428,766
4.200%, 06/01/2041	247,000	180,870
4.500%, 07/01/2040	146,000	113,153
4.750%, 02/15/2044	143,000	109,623
4.950%, 07/01/2050	576,000	459,597
PacifiCorp		
3.300%, 03/15/2051	222,000	173,563
PECO Energy Company		
2.850%, 09/15/2051	514,000	376,889
4.600%, 05/15/2052 (E)	285,000	285,159
Pennsylvania Electric Company		
3.250%, 03/15/2028 (D)	416,000	385,943
Public Service Company of Oklahoma		
2.200%, 08/15/2031	284,000	236,761
3.150%, 08/15/2051	288,000	211,075
Public Service Electric & Gas Company		
1.900%, 08/15/2031	571,000	474,838
2.050%, 08/01/2050	119,000	74,065
2.700%, 05/01/2050	232,000	166,268
Public Service Enterprise Group, Inc.		
1.600%, 08/15/2030	329,000	261,305
2.450%, 11/15/2031	368,000	307,017

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Southern California Edison Company 4.125%, 03/01/2048	\$ 320,000	\$ 263,266
Southern Company Gas Capital Corp. 1.750%, 01/15/2031	450,000	355,718
The AES Corp. 1.375%, 01/15/2026	617,000	544,145
Trans-Allegheny Interstate Line Company 3.850%, 06/01/2025 (D)	202,000	198,665
Virginia Electric and Power Company 2.450%, 12/15/2050	166,000	111,532
2.950%, 11/15/2051	427,000	315,544
4.625%, 05/15/2052	289,000	279,650
Xcel Energy, Inc. 4.600%, 06/01/2032	433,000	429,431
		18,486,880
TOTAL CORPORATE BONDS (Cost \$262,572,282)		\$ 234,419,338
MUNICIPAL BONDS – 0.4%		
Board of Regents of the University of Texas 2.439%, 08/15/2049	285,000	204,549
County of Clark Department of Aviation (Nevada) 6.820%, 07/01/2045	750,000	967,150
North Texas Tollway Authority 6.718%, 01/01/2049 (E)	697,000	939,026
Port Authority of New York & New Jersey 4.458%, 10/01/2062	571,000	555,193
The Ohio State University 4.800%, 06/01/2111	464,000	465,266
TOTAL MUNICIPAL BONDS (Cost \$3,491,231)		\$ 3,131,184
COLLATERALIZED MORTGAGE OBLIGATIONS – 8.8%		
Commercial and residential – 4.5%		
3650R Commercial Mortgage Trust Series 2021-PF1, Class A5 2.522%, 11/15/2054	465,000	402,813
Angel Oak Mortgage Trust LLC Series 2019-2, Class A1, 3.628%, 03/25/2049 (D)(F)	23,162	23,081
Series 2020-2, Class A1A, 2.531%, 01/26/2065 (D)(F)	145,876	140,335
Series 2020-5, Class A1, 1.373%, 05/25/2065 (D)(F)	109,979	105,128
Series 2021-6, Class A1, 1.458%, 09/25/2066 (D)(F)	536,115	456,980
Barclays Commercial Mortgage Trust Series 2019-C3, Class A3 3.319%, 05/15/2052	108,000	101,175
BBCMS Mortgage Trust Series 2018-C2, Class ASB, 4.236%, 12/15/2051	214,000	214,746
Series 2022-C16, Class A5, 4.600%, 06/15/2055 (F)	252,000	257,363
Benchmark Mortgage Trust Series 2021-B31, Class A5, 2.669%, 12/15/2054	141,000	123,187
Series 2022-B35, Class A5, 4.594%, 05/15/2055 (F)	418,000	422,863
BMO Mortgage Trust Series 2022-C2, Class A5 4.974%, 07/15/2054 (A)(F)	558,000	577,937

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 (D)	\$ 397,782	\$ 392,566
BX Commercial Mortgage Trust Series 2021-VOLT, Class A (1 month LIBOR + 0.700%), 2.024%, 09/15/2036 (B)(D)	2,021,000	1,949,213
Series 2021-XL2, Class A (1 month LIBOR + 0.689%), 2.013%, 10/15/2038 (B)(D)	932,529	888,034
CFCRE Commercial Mortgage Trust Series 2017-C8, Class ASB 3.367%, 06/15/2050	295,381	289,713
Citigroup Commercial Mortgage Trust Series 2022-GC48, Class A5 4.580%, 05/15/2054 (F)	561,000	577,463
COLT Mortgage Loan Trust Series 2021-2, Class A1, 0.924%, 08/25/2066 (D)(F)	694,187	609,554
Series 2021-4, Class A1, 1.397%, 10/25/2066 (D)(F)	760,729	658,730
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2012-CR3, Class A3, 2.822%, 10/15/2045	240,768	240,457
Series 2013-CR10, Class A4, 4.210%, 08/10/2046 (F)	15,000	14,982
Series 2013-CR11, Class A4, 4.258%, 08/10/2050	1,838,000	1,841,965
Series 2013-CR6, Class A4, 3.101%, 03/10/2046	1,394,000	1,387,208
Series 2014-UBS4, Class A4, 3.420%, 08/10/2047	730,000	717,584
Series 2015-LC19, Class A3, 2.922%, 02/10/2048	892,229	865,174
Series 2015-LC23, Class A3, 3.521%, 10/10/2048	379,000	369,860
CSAIL Commercial Mortgage Trust Series 2019-C16, Class A2, 3.067%, 06/15/2052	342,000	314,242
Series 2021-C20, Class A3, 2.805%, 03/15/2054	234,000	206,428
EQUUS Mortgage Trust Series 2021-EQAZ, Class A (1 month LIBOR + 0.755%) 2.079%, 10/15/2038 (B)(D)	787,000	751,423
GS Mortgage Securities Trust Series 2013-GC14, Class A5, 4.243%, 08/10/2046	412,000	410,820
Series 2014-GC18, Class A4, 4.074%, 01/10/2047	971,000	967,530
Series 2020-GC47, Class A5, 2.377%, 05/12/2053	283,000	245,956
Series 2020-GSA2, Class A4, 1.721%, 12/12/2053	995,000	816,288
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust Series 2010-1, Class A1 5.314%, 01/25/2051 (D)	804,172	786,919
JPMBB Commercial Mortgage Securities Trust Series 2013-C12, Class A5, 3.664%, 07/15/2045	602,000	599,312

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
JPMBB Commercial Mortgage Securities Trust (continued)		
Series 2013-C17, Class A4, 4.199%, 01/15/2047	\$ 202,000	\$ 201,768
Series 2014-C23, Class A4, 3.670%, 09/15/2047	338,301	333,887
Series 2015-C28, Class A3, 2.912%, 10/15/2048	1,606,885	1,555,027
Series 2015-C30, Class A5, 3.822%, 07/15/2048	535,000	528,226
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2013-C16, Class A4, 4.166%, 12/15/2046	902,000	897,804
Series 2016-JP4, Class A3, 3.393%, 12/15/2049	198,000	188,754
Med Trust		
Series 2021-MDLN, Class A (1 month LIBOR + 0.950%)		
2.275%, 11/15/2038 (B)(D)	1,273,000	1,217,056
Mello Warehouse Securitization Trust		
Series 2020-2, Class A (1 month LIBOR + 0.800%), 2.424%, 11/25/2053 (B)(D)	148,800	147,801
Series 2021-1, Class A (1 month LIBOR + 0.700%), 1.368%, 02/25/2055 (B)(D)	288,000	283,009
Series 2021-2, Class A (1 month LIBOR + 0.750%), 2.374%, 04/25/2055 (B)(D)	786,000	774,507
MFA Trust		
Series 2021-NQM2, Class A1 1.029%, 11/25/2064 (D)(F)	337,099	305,560
Morgan Stanley Capital I Trust		
Series 2020-HR8, Class A3, 1.790%, 07/15/2053	557,000	463,916
Series 2022-L8, Class A5, 3.922%, 04/15/2055 (F)	296,000	283,542
New Residential Mortgage Loan Trust		
Series 2019-NQM4, Class A1 2.492%, 09/25/2059 (D)(F)	165,307	159,811
NewRez Warehouse Securitization Trust		
Series 2021-1, Class A (1 month LIBOR + 0.750%)		
2.374%, 05/25/2055 (B)(D)	1,888,000	1,867,544
Starwood Mortgage Residential Trust		
Series 2020-1, Class A1, 2.275%, 02/25/2050 (D)(F)	90,752	90,388
Series 2020-3, Class A1, 1.486%, 04/25/2065 (D)(F)	274,490	267,198
Series 2020-INV1, Class A1, 1.027%, 11/25/2055 (D)(F)	239,388	231,901
Series 2021-1, Class A1, 1.219%, 05/25/2065 (D)(F)	303,587	285,177
Series 2021-4, Class A1, 1.162%, 08/25/2056 (D)(F)	727,168	652,701
Verus Securitization Trust		
Series 2019-4, Class A1 (2.642% to 10-25-23, then 3.642% thereafter), 2.642%, 11/25/2059 (D)	318,333	316,578
Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (D)(F)	190,433	189,959

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Verus Securitization Trust (continued)		
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (D)(F)	\$ 152,024	\$ 148,354
Series 2020-1, Class A1 (2.417% to 1-25-24, then 3.417% thereafter), 2.417%, 01/25/2060 (D)	321,638	315,606
Series 2020-2, Class A1, 2.226%, 05/25/2060 (D)(F)	161,091	158,258
Series 2020-5, Class A1 (1.218% to 10-25-24, then 2.218% thereafter), 1.218%, 05/25/2065 (D)	120,325	114,060
Series 2021-1, Class A1, 0.815%, 01/25/2066 (D)(F)	388,341	354,479
Series 2021-2, Class A1, 1.031%, 02/25/2066 (D)(F)	733,801	663,293
Series 2021-3, Class A1, 1.046%, 06/25/2066 (D)(F)	536,099	473,815
Series 2021-4, Class A1, 0.938%, 07/25/2066 (D)(F)	643,137	562,852
Series 2021-5, Class A1, 1.013%, 09/25/2066 (D)(F)	2,350,801	2,044,848
Series 2021-7, Class A1, 1.829%, 10/25/2066 (D)(F)	949,921	853,416
Series 2021-8, Class A1, 1.824%, 11/25/2066 (D)(F)	686,066	617,623
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (D)(F)	364,114	354,677
Series 2021-R3, Class A1, 1.020%, 04/25/2064 (D)(F)	359,572	341,920
Visio Trust		
Series 2020-1R, Class A1 1.312%, 11/25/2055 (D)	273,080	263,741
		37,236,085
U.S. Government Agency – 4.3%		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	1,113,477	1,058,394
Series 4205, Class PA, 1.750%, 05/15/2043	344,021	316,126
Series 4426, Class QC, 1.750%, 07/15/2037	559,883	530,644
Series 4705, Class A, 4.500%, 09/15/2042	10,892	10,887
Series 4742, Class PA, 3.000%, 10/15/2047	975,769	939,071
Series 4763, Class CA, 3.000%, 09/15/2038	186,334	180,427
Series 4767, Class KA, 3.000%, 03/15/2048	596,053	577,084
Series 4846, Class PF (1 month LIBOR + 0.350%), 1.674%, 12/15/2048 (B)	87,036	86,179
Series 4880, Class DA, 3.000%, 05/15/2050	728,788	705,042
Series 5091, Class AB, 1.500%, 03/25/2051	1,194,326	1,037,013
Series 5119, Class AB, 1.500%, 08/25/2049	465,813	405,982
Series 5182, Class M, 2.500%, 05/25/2049	540,573	502,302
Series 5201, Class CA, 2.500%, 07/25/2048	819,712	768,809

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 5217, Class CD, 2.500%, 07/25/2049	\$ 719,409	\$ 693,141
Federal National Mortgage Association		
Series 2012-151, Class NX, 1.500%, 01/25/2043	387,603	353,467
Series 2013-11, Class AP, 1.500%, 01/25/2043	1,388,887	1,287,232
Series 2013-43, Class BP, 1.750%, 05/25/2043	442,235	406,699
Series 2014-73, Class MA, 2.500%, 11/25/2044	262,412	248,047
Series 2015-84, Class PA, 1.700%, 08/25/2033	1,615,953	1,532,056
Series 2016-48, Class MA, 2.000%, 06/25/2038	1,631,326	1,538,401
Series 2016-57, Class PC, 1.750%, 06/25/2046	3,069,679	2,750,072
Series 2017-13, Class PA, 3.000%, 08/25/2046	606,583	589,506
Series 2017-M7, Class A2, 2.961%, 02/25/2027 (F)	308,144	300,584
Series 2018-14, Class KC, 3.000%, 03/25/2048	1,038,987	1,005,089
Series 2018-15, Class AB, 3.000%, 03/25/2048	239,393	233,462
Series 2018-8, Class KL, 2.500%, 03/25/2047	541,730	504,626
Series 2019-15, Class AB, 3.500%, 05/25/2053	1,190,847	1,190,582
Series 2019-25, Class PA, 3.000%, 05/25/2048	1,023,601	998,556
Series 2019-35, Class A, 3.000%, 07/25/2049	371,668	356,155
Series 2020-48, Class AB, 2.000%, 07/25/2050	490,840	449,204
Series 2020-48, Class DA, 2.000%, 07/25/2050	1,473,177	1,321,841
Series 2021-27, Class EC, 1.500%, 05/25/2051	2,026,094	1,763,003
Series 2021-78, Class ND, 1.500%, 11/25/2051	1,132,932	1,021,290
Series 2022-11, Class A, 2.500%, 07/25/2047	1,755,396	1,662,999
Series 414, Class A35, 3.500%, 10/25/2042	1,219,396	1,210,682
Government National		
Mortgage Association		
Series 2012-141, Class WA, 4.526%, 11/16/2041 (F)	194,515	199,010
Series 2017-167, Class BQ, 2.500%, 08/20/2044	537,940	518,529
Series 2018-11, Class PC, 2.750%, 12/20/2047	530,104	507,008
Series 2019-132, Class NA, 3.500%, 09/20/2049	320,459	319,185
Series 2019-31, Class JC, 3.500%, 03/20/2049	314,458	311,525
Series 2021-23, Class MG, 1.500%, 02/20/2051	1,388,790	1,240,893
Series 2022-107, Class C, 2.500%, 06/20/2051	2,289,000	1,973,945

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2022-31, Class GH, 2.500%, 12/20/2049	\$ 1,585,247	\$ 1,496,685
Series 2022-84, Class A, 2.500%, 01/20/2052	666,031	622,552
		35,723,986
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		
(Cost \$77,765,797)		
		\$ 72,960,071
ASSET BACKED SECURITIES – 10.6%		
Ally Auto Receivables Trust		
Series 2022-1, Class A3 3.310%, 11/15/2026	783,000	776,782
American Express Credit Account Master Trust		
Series 2022-2, Class A 3.390%, 05/15/2027	4,409,000	4,399,829
AmeriCredit Automobile Receivables Trust		
Series 2022-1, Class A3 2.450%, 11/18/2026	259,000	251,662
Series 2022-2, Class A3 4.380%, 04/18/2028	655,000	660,836
Avis Budget Rental Car Funding AESOP LLC		
Series 2019-3A, Class A 2.360%, 03/20/2026 (D)	678,000	645,999
Series 2020-1A, Class A 2.330%, 08/20/2026 (D)	494,000	469,657
Series 2021-2A, Class A 1.660%, 02/20/2028 (D)	1,415,000	1,261,341
BA Credit Card Trust		
Series 2022-A1, Class A1 3.530%, 11/15/2027	1,244,000	1,244,216
Barclays Dryrock Issuance Trust		
Series 2022-1, Class A 3.070%, 02/15/2028	1,671,000	1,644,890
Capital One Multi-Asset Execution Trust		
Series 2021-A2, Class A2 1.390%, 07/15/2030	1,000,000	872,972
Series 2022-A2, Class A 3.490%, 05/15/2027	2,779,000	2,780,753
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month LIBOR + 1.650%) 3.274%, 11/26/2046 (B)(D)	383,301	379,532
Series 2018-A, Class A2 4.130%, 12/26/2047 (D)	267,610	256,749
Series 2019-A, Class A2 3.280%, 12/28/2048 (D)	463,863	449,643
Series 2021-A, Class A2 1.600%, 07/25/2051 (D)	607,709	537,658
Ford Credit Auto Lease Trust		
Series 2022-A, Class A3 3.230%, 05/15/2025	1,557,000	1,550,476
Series 2022-A, Class A4 3.370%, 07/15/2025	599,000	593,775
Ford Credit Auto Owner Trust		
Series 2020-2, Class A 1.060%, 04/15/2033 (D)	451,000	407,886
Series 2022-1, Class A 3.880%, 11/15/2034 (D)	2,096,000	2,069,211

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Ford Credit Auto		
Owner Trust (continued)		
Series 2022-A, Class A3		
1.290%, 06/15/2026	\$ 411,000	\$ 394,444
Series 2022-B, Class A4		
3.930%, 08/15/2027	688,000	689,347
GM Financial Automobile Leasing Trust		
Series 2022-2, Class A3		
3.420%, 06/20/2025	629,000	625,410
Series 2022-2, Class A4		
3.540%, 05/20/2026	689,000	682,499
GM Financial Consumer Automobile Receivables Trust		
Series 2022-2, Class A3		
3.100%, 02/16/2027	1,782,000	1,764,368
Series 2022-2, Class A4		
3.250%, 04/17/2028	951,000	929,590
Hertz Vehicle Financing LLC		
Series 2021-2A, Class A		
1.680%, 12/27/2027 (D)	1,229,000	1,083,522
Series 2022-1A, Class A		
1.990%, 06/25/2026 (D)	1,683,000	1,576,206
Series 2022-2A, Class A		
2.330%, 06/26/2028 (D)	1,490,000	1,348,320
Series 2022-4A, Class A		
3.730%, 09/25/2026 (D)	895,000	877,827
Series 2022-5A, Class A		
3.890%, 09/25/2028 (D)	1,485,000	1,431,111
Hyundai Auto Receivables Trust		
Series 2021-C, Class A4		
1.030%, 12/15/2027	549,000	504,291
Series 2022-A, Class A3		
2.220%, 10/15/2026	1,004,000	972,275
Series 2022-A, Class A4		
2.350%, 04/17/2028	341,000	324,626
Navient Private Education Loan Trust		
Series 2014-AA, Class A3 (1 month LIBOR + 1.600%)		
2.924%, 10/15/2031 (B)(D)	470,000	463,680
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%)		
3.474%, 12/15/2045 (B)(D)	303,193	306,996
Series 2020-IA, Class A1A		
1.330%, 04/15/2069 (D)	1,486,770	1,366,148
Navient Private Education Refi Loan Trust		
Series 2018-A, Class A2		
3.190%, 02/18/2042 (D)	11,965	11,964
Series 2018-CA, Class A2		
3.520%, 06/16/2042 (D)	51,924	51,816
Series 2018-DA, Class A2A		
4.000%, 12/15/2059 (D)	702,542	700,973
Series 2019-CA, Class A2		
3.130%, 02/15/2068 (D)	599,330	585,036
Series 2019-D, Class A2A		
3.010%, 12/15/2059 (D)	1,331,458	1,277,534
Series 2019-FA, Class A2		
2.600%, 08/15/2068 (D)	740,934	705,935
Series 2020-BA, Class A2		
2.120%, 01/15/2069 (D)	480,663	451,923
Series 2020-EA, Class A		
1.690%, 05/15/2069 (D)	128,422	120,403
Series 2020-GA, Class A		
1.170%, 09/16/2069 (D)	514,021	482,061
Series 2020-HA, Class A		
1.310%, 01/15/2069 (D)	394,355	367,555

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Navient Private Education Refi Loan Trust (continued)		
Series 2021-A, Class A		
0.840%, 05/15/2069 (D)	\$ 203,184	\$ 185,979
Series 2021-BA, Class A		
0.940%, 07/15/2069 (D)	286,965	260,554
Series 2021-CA, Class A		
1.060%, 10/15/2069 (D)	1,168,464	1,076,651
Series 2021-EA, Class A		
0.970%, 12/16/2069 (D)	1,963,707	1,761,169
Series 2021-FA, Class A		
1.110%, 02/18/2070 (D)	971,098	850,530
Series 2021-GA, Class A		
1.580%, 04/15/2070 (D)	687,750	608,046
Series 2022-A, Class A		
2.230%, 07/15/2070 (D)	2,318,869	2,159,756
Navient Student Loan Trust		
Series 2019-BA, Class A2A		
3.390%, 12/15/2059 (D)	1,092,953	1,057,303
Series 2021-3A, Class A1A		
1.770%, 08/25/2070 (D)	1,151,897	1,024,615
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (3 month LIBOR + 0.180%)		
1.364%, 10/27/2036 (B)	894,876	863,562
Series 2004-4, Class A5 (3 month LIBOR + 0.160%)		
1.344%, 01/25/2037 (B)	875,283	848,347
Series 2005-1, Class A5 (3 month LIBOR + 0.110%)		
1.294%, 10/25/2033 (B)	2,706,001	2,621,945
Series 2005-2, Class A5 (3 month LIBOR + 0.100%)		
2.196%, 03/23/2037 (B)	2,629,732	2,540,817
Series 2005-3, Class A5 (3 month LIBOR + 0.120%)		
2.216%, 12/24/2035 (B)	1,800,137	1,789,985
Series 2005-4, Class A4 (3 month LIBOR + 0.180%)		
2.276%, 03/22/2032 (B)	465,632	440,763
Nissan Auto Lease Trust		
Series 2022-A, Class A3		
3.810%, 05/15/2025	1,175,000	1,175,425
Santander Drive Auto Receivables Trust		
Series 2022-2, Class A3		
2.980%, 10/15/2026	1,878,000	1,851,391
Series 2022-3, Class A3		
3.400%, 12/15/2026	722,000	717,154
SLM Student Loan Trust		
Series 2007-2, Class A4 (3 month LIBOR + 0.060%)		
1.244%, 07/25/2022 (B)	2,475,848	2,415,207
SMB Private Education Loan Trust		
Series 2016-B, Class A2A		
2.430%, 02/17/2032 (D)	102,197	98,792
Series 2016-B, Class A2B (1 month LIBOR + 1.450%)		
2.774%, 02/17/2032 (B)(D)	40,149	39,996
Series 2016-C, Class A2B (1 month LIBOR + 1.100%)		
2.424%, 09/15/2034 (B)(D)	276,975	276,438
Series 2018-C, Class A2A		
3.630%, 11/15/2035 (D)	157,802	155,446
Series 2019-A, Class A2A		
3.440%, 07/15/2036 (D)	343,756	336,315
Series 2020-B, Class A1A		
1.290%, 07/15/2053 (D)	984,079	891,968

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

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 (D)	\$ 911,883	\$ 830,522
Series 2020-PTB, Class A2A 1.600%, 09/15/2054 (D)	2,792,001	2,561,566
Series 2021-A, Class APT1 1.070%, 01/15/2053 (D)	2,273,322	2,009,582
Series 2021-B, Class A 1.310%, 07/17/2051 (D)	584,673	542,362
Series 2021-C, Class A2 (1 month LIBOR + 0.800%) 2.124%, 01/15/2053 (B)(D)	1,275,000	1,228,634
Series 2021-D, Class A1A 1.340%, 03/17/2053 (D)	1,909,400	1,770,962
Series 2021-E, Class A1A 1.680%, 02/15/2051 (D)	1,303,403	1,213,690
Series 2022-A, Class APT 2.850%, 11/16/2054 (D)	871,221	806,020
SoFi Professional Loan Program LLC		
Series 2017-D, Class A2FX 2.650%, 09/25/2040 (D)	31,867	31,235
Series 2017-E, Class A2B 2.720%, 11/26/2040 (D)	318,236	317,208
Series 2020-C, Class AFX 1.950%, 02/15/2046 (D)	105,593	100,518
Series 2021-A, Class AFX 1.030%, 08/17/2043 (D)	352,441	320,505
Series 2021-B, Class AFX 1.140%, 02/15/2047 (D)	798,892	720,151
Synchrony Card Funding LLC		
Series 2022-A1, Class A 3.370%, 04/15/2028	1,072,000	1,064,050
Toyota Auto Loan Extended Note Trust		
Series 2022-1A, Class A 3.820%, 04/25/2035 (D)	3,331,000	3,287,323
Toyota Auto Receivables Owner Trust		
Series 2021-D, Class A3 0.710%, 04/15/2026	291,000	277,159
Series 2022-B, Class A4 3.110%, 08/16/2027	709,000	694,853
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (D)	448,609	398,953
Verizon Master Trust		
Series 2022-2, Class A 1.530%, 07/20/2028	577,000	545,320
Series 2022-4, Class A (3.400% to 6-20-25, then 4.150% thereafter) 3.400%, 11/20/2028	1,226,000	1,214,846
World Omni Automobile Lease Securitization Trust		
Series 2022-A, Class A3 3.210%, 02/18/2025	669,000	665,405
Series 2022-A, Class A4 3.340%, 06/15/2027	394,000	391,601
TOTAL ASSET BACKED SECURITIES (Cost \$92,337,849)		\$ 88,390,346

Core Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 4.4%		
Short-term funds – 4.4%		
John Hancock Collateral Trust, 1.4215% (G)(H)	70,507	\$ 704,812
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.7415% (G)	36,135,713	36,135,713
TOTAL SHORT-TERM INVESTMENTS (Cost \$36,840,555)		\$ 36,840,525
Total Investments (Core Bond Trust) (Cost \$962,191,980) – 107.0%		
Other assets and liabilities, net – (7.0%)		
TOTAL NET ASSETS – 100.0%		
\$ 832,782,342		

Security Abbreviations and Legend

CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$114,917,763 or 13.8% of the fund's net assets as of 6-30-22.
(E)	All or a portion of this security is on loan as of 6-30-22.
(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 6-30-22.
(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 (3.900% to 9-1-22, then 5.250% to 9-1-23, then 6.375% to 9-1-24, then 6.625% thereafter), 09/01/2037 (A)		
	\$ 756,976	\$ 224,015
Republic of Argentina		
1.000%, 07/09/2029	59,073	13,433
(0.500% to 7-9-23, then 0.750% to 7-9-27, then 1.750% thereafter), 07/09/2030	598,627	140,488
(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	526,571	113,410
		491,346

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Brazil – 0.3%		
Federative Republic of Brazil		
10.000%, 01/01/2023 to 01/01/2027	BRL 2,808,000	\$ 522,647
Indonesia – 0.0%		
Republic of Indonesia		
8.375%, 03/15/2034	IDR 74,000,000	5,285
TOTAL FOREIGN GOVERNMENT OBLIGATIONS		
(Cost \$1,879,404)		\$ 1,019,278
CORPORATE BONDS – 82.7%		
Communication services – 12.1%		
Accelerate360 Holdings LLC		
8.000%, 03/01/2028 (A)	\$ 719,050	762,351
Allen Media LLC		
10.500%, 02/15/2028 (A)	1,470,000	758,726
Alice Financing SA		
5.750%, 08/15/2029 (A)	780,000	625,950
Altice France Holding SA		
10.500%, 05/15/2027 (A)	640,000	537,050
Altice France SA		
5.125%, 07/15/2029 (A)	590,000	445,450
AMC Entertainment Holdings, Inc.		
10.000%, 06/15/2026 (A)(B)	1,050,000	697,148
CCO Holdings LLC		
4.250%, 02/01/2031 to 01/15/2034 (A)	220,000	175,475
4.500%, 08/15/2030 (A)	620,000	514,772
4.500%, 05/01/2032	1,530,000	1,238,841
4.750%, 02/01/2032 (A)	540,000	442,152
Charter Communications Operating LLC		
6.484%, 10/23/2045	230,000	223,599
Clear Channel Outdoor Holdings, Inc.		
7.500%, 06/01/2029 (A)	760,000	546,486
CSC Holdings LLC		
4.125%, 12/01/2030 (A)	240,000	187,200
5.000%, 11/15/2031 (A)	330,000	222,432
5.750%, 01/15/2030 (A)	300,000	218,259
6.500%, 02/01/2029 (A)	800,000	722,504
Directv Financing LLC		
5.875%, 08/15/2027 (A)	710,000	605,680
DISH DBS Corp.		
5.125%, 06/01/2029	1,000,000	607,640
5.750%, 12/01/2028 (A)	900,000	666,369
5.875%, 11/15/2024	500,000	421,250
7.750%, 07/01/2026	870,000	678,165
Gannett Holdings LLC		
6.000%, 11/01/2026 (A)(B)	620,000	519,250
iHeartCommunications, Inc.		
4.750%, 01/15/2028 (A)	190,000	156,575
5.250%, 08/15/2027 (A)	410,000	350,890
Match Group Holdings II LLC		
3.625%, 10/01/2031 (A)	480,000	378,000
4.625%, 06/01/2028 (A)	350,000	317,310
News Corp.		
3.875%, 05/15/2029 (A)	420,000	362,656
Photo Holdings Merger Sub, Inc.		
8.500%, 10/01/2026 (A)	600,000	452,976
Playtika Holding Corp.		
4.250%, 03/15/2029 (A)	490,000	404,250
Sprint Capital Corp.		
8.750%, 03/15/2032	115,000	138,400
Sprint Corp.		
7.625%, 02/15/2025	510,000	531,582
7.875%, 09/15/2023	670,000	690,629
Switch, Ltd.		
3.750%, 09/15/2028 (A)	280,000	276,962
4.125%, 06/15/2029 (A)	260,000	257,359

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Time Warner Cable LLC		
7.300%, 07/01/2038	\$ 220,000	\$ 229,715
T-Mobile USA, Inc.		
3.500%, 04/15/2031	840,000	725,281
UPC Holding BV		
5.500%, 01/15/2028 (A)	430,000	367,594
Urban One, Inc.		
7.375%, 02/01/2028 (A)	340,000	291,125
Viavi Solutions, Inc.		
3.750%, 10/01/2029 (A)	270,000	226,129
Virgin Media Secured Finance PLC		
5.500%, 05/15/2029 (A)	330,000	295,037
Virgin Media Vendor Financing Notes IV		
DAC		
5.000%, 07/15/2028 (A)	470,000	388,910
Vmed O2 UK Financing I PLC		
4.750%, 07/15/2031 (A)	910,000	735,144
ZipRecruiter, Inc.		
5.000%, 01/15/2030 (A)	330,000	277,200
ZoomInfo Technologies LLC		
3.875%, 02/01/2029 (A)	700,000	586,350
		20,256,823
Consumer discretionary – 16.2%		
Academy, Ltd.		
6.000%, 11/15/2027 (A)	250,000	228,438
Adtalem Global Education, Inc.		
5.500%, 03/01/2028 (A)	511,000	456,068
American Axle & Manufacturing, Inc.		
5.000%, 10/01/2029 (B)	1,080,000	877,299
American News Company LLC (8.500%		
Cash or 10.000% PIK) 8.500%,		
09/01/2026 (A)	552,617	627,220
Bath & Body Works, Inc.		
5.250%, 02/01/2028	920,000	776,204
6.625%, 10/01/2030 (A)	180,000	155,473
7.500%, 06/15/2029	160,000	145,633
9.375%, 07/01/2025 (A)	340,000	344,913
Bed Bath & Beyond, Inc.		
5.165%, 08/01/2044	680,000	151,382
Boyne USA, Inc.		
4.750%, 05/15/2029 (A)	500,000	432,970
Caesars Entertainment, Inc.		
4.625%, 10/15/2029 (A)(B)	600,000	466,500
6.250%, 07/01/2025 (A)	360,000	346,943
Carnival Corp.		
5.750%, 03/01/2027 (A)	690,000	498,373
6.000%, 05/01/2029 (A)	460,000	323,201
10.500%, 06/01/2030 (A)	470,000	386,815
Carriage Purchaser, Inc.		
7.875%, 10/15/2029 (A)	720,000	536,136
Carriage Services, Inc.		
4.250%, 05/15/2029 (A)	640,000	520,483
Carrols Restaurant Group, Inc.		
5.875%, 07/01/2029 (A)	350,000	255,500
Dornoch Debt Merger Sub, Inc.		
6.625%, 10/15/2029 (A)(B)	410,000	302,785
Empire Communities Corp.		
7.000%, 12/15/2025 (A)	650,000	513,500
Fertitta Entertainment LLC		
4.625%, 01/15/2029 (A)	700,000	596,750
6.750%, 01/15/2030 (A)	260,000	199,550
Fontainebleau Las Vegas Holdings LLC		
11.000%, 06/15/2015 (A)(C)	3,600,919	341
Foot Locker, Inc.		
4.000%, 10/01/2029 (A)	640,000	484,029

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Ford Motor Company		
3.250%, 02/12/2032	\$ 400,000	\$ 299,160
9.000%, 04/22/2025	670,000	718,495
Ford Motor Credit Company LLC		
4.000%, 11/13/2030	810,000	656,307
4.950%, 05/28/2027	330,000	306,488
5.113%, 05/03/2029	1,100,000	986,121
5.125%, 06/16/2025	460,000	439,263
Full House Resorts, Inc.		
8.250%, 02/15/2028 (A)	1,160,000	927,161
Installed Building Products, Inc.		
5.750%, 02/01/2028 (A)	410,000	364,260
Melco Resorts Finance, Ltd.		
5.375%, 12/04/2029 (A)	340,000	204,182
NCL Corp., Ltd.		
5.875%, 03/15/2026 to 02/15/2027 (A)	2,330,000	1,920,638
7.750%, 02/15/2029 (A)	610,000	466,650
NMG Holding Company, Inc.		
7.125%, 04/01/2026 (A)	300,000	276,474
Nordstrom, Inc.		
5.000%, 01/15/2044	700,000	498,750
Party City Holdings, Inc.		
8.750%, 02/15/2026 (A)	700,000	470,750
PetSmart, Inc.		
7.750%, 02/15/2029 (A)	250,000	225,128
Rent-A-Center, Inc.		
6.375%, 02/15/2029 (A)(B)	620,000	483,600
Royal Caribbean Cruises, Ltd.		
5.500%, 08/31/2026 (A)	640,000	475,200
Sands China, Ltd.		
5.400%, 08/08/2028	200,000	154,000
Sizzling Platter LLC		
8.500%, 11/28/2025 (A)	430,000	361,270
Speedway Motorsports LLC		
4.875%, 11/01/2027 (A)	320,000	282,743
StoneMor, Inc.		
8.500%, 05/15/2029 (A)	790,000	699,150
Sugarhouse HSP Gaming Prop Mezz LP		
5.875%, 05/15/2025 (A)	270,000	248,337
The Michaels Companies, Inc.		
5.250%, 05/01/2028 (A)	270,000	212,212
7.875%, 05/01/2029 (A)	750,000	494,265
TopBuild Corp.		
3.625%, 03/15/2029 (A)	550,000	432,994
Viking Cruises, Ltd.		
5.875%, 09/15/2027 (A)	170,000	127,003
7.000%, 02/15/2029 (A)(B)	1,020,000	763,796
13.000%, 05/15/2025 (A)	910,000	932,581
VOC Escrow, Ltd.		
5.000%, 02/15/2028 (A)	1,345,000	1,080,721
WW International, Inc.		
4.500%, 04/15/2029 (A)(B)	800,000	532,760
Wynn Macau, Ltd.		
4.875%, 10/01/2024 (A)	310,000	230,521
5.125%, 12/15/2029 (A)(B)	260,000	161,080
5.625%, 08/26/2028 (A)	920,000	566,720
Wynn Resorts Finance LLC		
7.750%, 04/15/2025 (A)	480,000	467,165
		27,092,451
Consumer staples – 0.9%		
Darling Ingredients, Inc.		
6.000%, 06/15/2030 (A)	290,000	289,029
Edgewell Personal Care Company		
4.125%, 04/01/2029 (A)	340,000	280,625

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Simmons Foods, Inc.		
4.625%, 03/01/2029 (A)	\$ 590,000	\$ 498,786
Triton Water Holdings, Inc.		
6.250%, 04/01/2029 (A)	610,000	433,100
		1,501,540
Energy – 12.0%		
Antero Resources Corp.		
5.375%, 03/01/2030 (A)	430,000	392,083
Apache Corp.		
7.750%, 12/15/2029	310,000	327,050
Berry Petroleum Company LLC		
7.000%, 02/15/2026 (A)	1,290,000	1,135,200
Blue Racer Midstream LLC		
6.625%, 07/15/2026 (A)	670,000	603,043
7.625%, 12/15/2025 (A)	310,000	293,002
Cheniere Energy Partners LP		
4.000%, 03/01/2031	470,000	399,641
Chesapeake Energy Corp.		
5.500%, 02/01/2026 (A)	80,000	76,182
CNX Midstream Partners LP		
4.750%, 04/15/2030 (A)	740,000	621,600
Colgate Energy Partners III LLC		
5.875%, 07/01/2029 (A)	1,320,000	1,156,650
Comstock Resources, Inc.		
5.875%, 01/15/2030 (A)	380,000	326,800
DCP Midstream Operating LP		
6.450%, 11/03/2036 (A)	280,000	274,400
6.750%, 09/15/2037 (A)	590,000	561,238
Earthstone Energy Holdings LLC		
8.000%, 04/15/2027 (A)(B)	260,000	246,025
Endeavor Energy Resources LP		
5.750%, 01/30/2028 (A)	150,000	142,898
6.625%, 07/15/2025 (A)	320,000	321,568
Energy Transfer LP (6.500% to 11-15-26, then 5 Year CMT + 5.694%) 11/15/2026 (D)	180,000	159,105
EQM Midstream Partners LP		
4.000%, 08/01/2024	120,000	111,395
4.750%, 01/15/2031 (A)	230,000	183,425
5.500%, 07/15/2028	560,000	483,488
6.000%, 07/01/2025 (A)	240,000	230,083
6.500%, 07/01/2027 (A)	220,000	204,556
6.500%, 07/15/2048	510,000	388,875
7.500%, 06/01/2030 (A)	360,000	345,832
Hilcorp Energy I LP		
6.250%, 04/15/2032 (A)	530,000	465,441
Howard Midstream Energy Partners LLC		
6.750%, 01/15/2027 (A)	610,000	525,517
MEG Energy Corp.		
7.125%, 02/01/2027 (A)	830,000	835,876
Neptune Energy Bondco PLC		
6.625%, 05/15/2025 (A)	250,000	240,000
Northern Oil and Gas, Inc.		
8.125%, 03/01/2028 (A)	850,000	801,125
Oasis Petroleum, Inc.		
6.375%, 06/01/2026 (A)	990,000	915,750
Occidental Petroleum Corp.		
4.100%, 02/15/2047	120,000	92,250
4.400%, 04/15/2046	180,000	145,438
6.125%, 01/01/2031	330,000	334,430
6.600%, 03/15/2046	390,000	414,180
8.875%, 07/15/2030	490,000	562,558
Penn Virginia Holdings LLC		
9.250%, 08/15/2026 (A)	1,310,000	1,257,259

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Petrobras Global Finance BV 5.750%, 02/01/2029	\$ 100,000	\$ 96,973
6.850%, 06/05/2115 (B)	410,000	336,434
Range Resources Corp. 4.750%, 02/15/2030 (A)(B)	440,000	394,605
8.250%, 01/15/2029	490,000	499,561
Southwestern Energy Company 4.750%, 02/01/2032	470,000	401,627
Summit Midstream Holdings LLC 8.500%, 10/15/2026 (A)	320,000	287,302
Tallgrass Energy Partners LP 6.000%, 12/31/2030 (A)	730,000	605,900
Venture Global Calcasieu Pass LLC 3.875%, 11/01/2033 (A)	530,000	437,250
Western Midstream Operating LP 3.600%, 02/01/2025	530,000	488,263
3.950%, 06/01/2025	110,000	103,813
5.500%, 08/15/2048	580,000	472,700
5.750%, 02/01/2050	530,000	425,621
		20,124,012
Financials – 9.0%		
Acuris Finance U.S., Inc. 5.000%, 05/01/2028 (A)	200,000	165,964
AFC Gamma, Inc. 5.750%, 05/01/2027 (A)	530,000	464,471
Apollo Commercial Real Estate Finance, Inc. 4.625%, 06/15/2029 (A)	710,000	528,950
Banco Mercantil del Norte SA (6.875% to 7-6-22, then 5 Year CMT + 5.035%) 07/06/2022 (A)(D)	200,000	198,000
Barclays PLC (8.000% to 6-15-24, then 5 Year CMT + 5.672%) 06/15/2024 (D)	380,000	373,350
BNP Paribas SA (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%) 08/19/2025 (A)(D)	390,000	386,080
Burford Capital Global Finance LLC 6.250%, 04/15/2028 (A)	630,000	551,013
6.875%, 04/15/2030 (A)	500,000	439,410
Citigroup, Inc. (5.950% to 5-15-25, then 3 month LIBOR + 3.905%) 05/15/2025 (D)	180,000	167,103
Citigroup, Inc. (6.300% to 5-15-24, then 3 month LIBOR + 3.423%) 05/15/2024 (D)	410,000	382,641
Coinbase Global, Inc. 3.625%, 10/01/2031 (A)(B)	540,000	303,267
Compass Group Diversified Holdings LLC 5.250%, 04/15/2029 (A)	420,000	346,500
Credit Agricole SA (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.185%) 12/23/2025 (A)(D)	340,000	348,150
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (A)(D)	430,000	355,287
Credit Suisse Group AG (7.250% to 9-12-25, then 5 Year ICE Swap Rate + 4.332%) 09/12/2025 (A)(D)	200,000	173,770
Credit Suisse Group AG (9.750% to 12-23-27, then 5 Year CMT + 6.383%) 06/23/2027 (A)(D)	560,000	571,900
FirstCash, Inc. 4.625%, 09/01/2028 (A)	530,000	457,708

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
FirstCash, Inc. (continued) 5.625%, 01/01/2030 (A)	\$ 440,000	\$ 379,936
Global Aircraft Leasing Company, Ltd. (6.500% Cash or 7.250% PIK) 6.500%, 09/15/2024 (A)	2,051,318	1,553,873
Highlands Holdings Bond Issuer, Ltd. (7.625% Cash or 8.375% PIK) 7.625%, 10/15/2025 (A)	945,962	913,326
Intesa Sanpaolo SpA (4.198% to 6-1-31, then 1 Year CMT + 2.600%) 06/01/2032 (A)	460,000	336,930
Jane Street Group 4.500%, 11/15/2029 (A)	320,000	284,800
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (A)	460,000	371,368
4.750%, 06/15/2029 (A)	300,000	230,828
LD Holdings Group LLC 6.125%, 04/01/2028 (A)(B)	380,000	231,682
6.500%, 11/01/2025 (A)	700,000	476,000
Midcap Financial Issuer Trust 5.625%, 01/15/2030 (A)	380,000	296,487
6.500%, 05/01/2028 (A)	430,000	369,800
NMI Holdings, Inc. 7.375%, 06/01/2025 (A)	650,000	637,000
Rocket Mortgage LLC 3.875%, 03/01/2031 (A)	630,000	472,053
4.000%, 10/15/2033 (A)	650,000	461,500
Ryan Specialty Group LLC 4.375%, 02/01/2030 (A)	520,000	452,400
StoneX Group, Inc. 8.625%, 06/15/2025 (A)	270,000	270,675
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (A)(D)	550,000	535,767
UniCredit SpA (5.459% to 6-30-30, then 5 Year CMT + 4.750%) 06/30/2035 (A)	720,000	581,892
		15,069,881
Health care – 6.0%		
AdaptHealth LLC 4.625%, 08/01/2029 (A)	460,000	378,350
5.125%, 03/01/2030 (A)	760,000	640,611
Akumin, Inc. 7.000%, 11/01/2025 (A)	720,000	558,080
Bausch Health Companies, Inc. 5.250%, 01/30/2030 (A)	600,000	310,007
6.125%, 02/01/2027 (A)	360,000	306,000
6.250%, 02/15/2029 (A)	1,220,000	649,284
Cano Health LLC 6.250%, 10/01/2028 (A)(B)	420,000	343,474
Centene Corp. 4.625%, 12/15/2029	500,000	466,250
Community Health Systems, Inc. 6.125%, 04/01/2030 (A)	1,230,000	750,300
6.875%, 04/15/2029 (A)	390,000	251,550
Medline Borrower LP 3.875%, 04/01/2029 (A)	480,000	408,821
5.250%, 10/01/2029 (A)	520,000	427,076
Minerva Merger Sub, Inc. 6.500%, 02/15/2030 (A)	890,000	740,115
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (A)	1,170,000	889,200
Radiology Partners, Inc. 9.250%, 02/01/2028 (A)	460,000	345,469

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
RegionalCare Hospital Partners Holdings, Inc. 9.750%, 12/01/2026 (A)	\$ 400,000	\$ 389,000
Tenet Healthcare Corp. 4.625%, 06/15/2028 (A)	440,000	383,143
Teva Pharmaceutical Finance Netherlands III BV 5.125%, 05/09/2029	1,390,000	1,145,013
U.S. Renal Care, Inc. 7.125%, 01/31/2025	250,000	243,658
U.S. Renal Care, Inc. 10.625%, 07/15/2027 (A)	960,000	338,400
		<u>9,963,801</u>
Industrials – 12.2%		
Advanced Drainage Systems, Inc. 6.375%, 06/15/2030 (A)	350,000	341,800
AerCap Ireland Capital DAC 3.300%, 01/30/2032	160,000	128,079
Air Canada 3.875%, 08/15/2026 (A)	460,000	389,109
Allied Universal Holdco LLC 4.625%, 06/01/2028 (A)	720,000	582,632
6.000%, 06/01/2029 (A)	430,000	312,254
6.625%, 07/15/2026 (A)	360,000	330,347
Alta Equipment Group, Inc. 5.625%, 04/15/2026 (A)	650,000	555,750
American Airlines, Inc. 5.500%, 04/20/2026 (A)	370,000	339,950
5.750%, 04/20/2029 (A)	610,000	520,794
Anagram International, Inc. (0.000% Cash and 10.000% PIK) 10.000%, 08/15/2026 (A)	83,231	85,520
ATS Automation Tooling Systems, Inc. 4.125%, 12/15/2028 (A)	300,000	250,500
Brundage-Bone Concrete Pumping Holdings, Inc. 6.000%, 02/01/2026 (A)	650,000	550,436
CoreCivic, Inc. 4.625%, 05/01/2023	110,000	109,193
8.250%, 04/15/2026	1,070,000	1,043,432
Covanta Holding Corp. 4.875%, 12/01/2029 (A)	510,000	414,997
Delta Air Lines, Inc. 4.750%, 10/20/2028 (A)	470,000	443,952
Doman Building Materials Group, Ltd. 5.250%, 05/15/2026 (A)	CAD 590,000	397,627
Foundation Building Materials, Inc. 6.000%, 03/01/2029 (A)	\$ 300,000	219,750
H&E Equipment Services, Inc. 3.875%, 12/15/2028 (A)	920,000	744,050
Hawaiian Brand Intellectual Property, Ltd. 5.750%, 01/20/2026 (A)	510,000	457,062
Legends Hospitality Holding Company LLC 5.000%, 02/01/2026 (A)	850,000	712,300
Madison IAQ LLC 5.875%, 06/30/2029 (A)	900,000	689,688
Mileage Plus Holdings LLC 6.500%, 06/20/2027 (A)	500,000	491,400
MIWD Holdco II LLC 5.500%, 02/01/2030 (A)	870,000	700,144
Park-Ohio Industries, Inc. 6.625%, 04/15/2027	270,000	213,300
PGT Innovations, Inc. 4.375%, 10/01/2029 (A)	360,000	283,846

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
PM General Purchaser LLC 9.500%, 10/01/2028 (A)	\$ 680,000	\$ 549,426
Prime Security Services Borrower LLC 5.750%, 04/15/2026 (A)	470,000	438,275
6.250%, 01/15/2028 (A)	920,000	769,668
Resideo Funding, Inc. 4.000%, 09/01/2029 (A)	630,000	491,671
Roller Bearing Company of America, Inc. 4.375%, 10/15/2029 (A)	730,000	621,169
Spirit Loyalty Cayman, Ltd. 8.000%, 09/20/2025 (A)	546,000	560,343
SRM Escrow Issuer LLC 6.000%, 11/01/2028 (A)	770,000	650,827
The ADT Security Corp. 4.125%, 08/01/2029 (A)	500,000	405,783
Titan International, Inc. 7.000%, 04/30/2028	670,000	629,398
TransDigm, Inc. 4.625%, 01/15/2029	770,000	619,865
8.000%, 12/15/2025 (A)	200,000	202,248
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	249,000	235,305
United Airlines, Inc. 4.375%, 04/15/2026 (A)	120,000	105,740
4.625%, 04/15/2029 (A)	230,000	195,102
United Rentals North America, Inc. 3.875%, 02/15/2031	150,000	126,538
4.875%, 01/15/2028	640,000	605,107
5.250%, 01/15/2030	400,000	371,000
Vertiv Group Corp. 4.125%, 11/15/2028 (A)	760,000	617,059
VistaJet Malta Finance PLC 6.375%, 02/01/2030 (A)	690,000	552,000
XPO CNW, Inc. 6.700%, 05/01/2034	370,000	345,826
		<u>20,400,262</u>
Information technology – 3.8%		
Bread Financial Holdings, Inc. 4.750%, 12/15/2024 (A)	510,000	467,160
CA Magnum Holdings 5.375%, 10/31/2026 (A)	410,000	355,298
Central Parent, Inc. 7.250%, 06/15/2029 (A)	650,000	625,625
Clarivate Science Holdings Corp. 4.875%, 07/01/2029 (A)	260,000	213,460
CommScope, Inc. 4.750%, 09/01/2029 (A)	540,000	435,615
8.250%, 03/01/2027 (A)	1,310,000	1,035,555
Elastic NV 4.125%, 07/15/2029 (A)	570,000	475,825
Helios Software Holdings, Inc. 4.625%, 05/01/2028 (A)	530,000	420,630
NCR Corp. 5.125%, 04/15/2029 (A)	190,000	160,691
Paysafe Finance PLC 4.000%, 06/15/2029 (A)(B)	750,000	540,658
Rackspace Technology Global, Inc. 3.500%, 02/15/2028 (A)	630,000	493,596
Shift4 Payments LLC 4.625%, 11/01/2026 (A)	680,000	601,793
Vericast Corp. 11.000%, 09/15/2026 (A)	650,000	623,552
		<u>6,449,458</u>

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials – 5.6%		
ARD Finance SA (6.500% Cash or 7.250% PIK) 6.500%, 06/30/2027 (A)	\$ 660,000	\$ 489,562
Ardagh Metal Packaging Finance USA LLC		
3.250%, 09/01/2028 (A)	200,000	170,714
4.000%, 09/01/2029 (A)	800,000	642,000
6.000%, 06/15/2027 (A)	320,000	316,714
Ardagh Packaging Finance PLC		
5.250%, 08/15/2027 (A)	690,000	492,011
Ball Corp.		
3.125%, 09/15/2031	530,000	427,519
Canpack SA		
3.875%, 11/15/2029 (A)	300,000	234,054
Cascades, Inc.		
5.375%, 01/15/2028 (A)	530,000	450,535
Clydesdale Acquisition Holdings, Inc.		
6.625%, 04/15/2029 (A)	210,000	197,322
First Quantum Minerals, Ltd.		
6.500%, 03/01/2024 (A)	420,000	403,422
6.875%, 03/01/2026 to 10/15/2027 (A)	1,650,000	1,501,870
7.500%, 04/01/2025 (A)	210,000	198,547
Freeport-McMoRan, Inc.		
5.450%, 03/15/2043	1,870,000	1,729,844
Hudbay Minerals, Inc.		
4.500%, 04/01/2026 (A)	240,000	200,827
6.125%, 04/01/2029 (A)	710,000	575,842
LSF11 A5 HoldCo LLC		
6.625%, 10/15/2029 (A)(B)	530,000	446,525
Midwest Vanadium Proprietary, Ltd.		
13.250%, 02/15/2018 (A)(C)	912,943	2,629
Northwest Acquisitions ULC		
7.125%, 11/01/2022 (A)(C)	950,000	10
Olin Corp.		
5.000%, 02/01/2030	420,000	362,754
Pactiv LLC		
8.375%, 04/15/2027	20,000	17,400
Summit Materials LLC		
5.250%, 01/15/2029 (A)	560,000	488,600
		9,348,701
Real estate – 3.9%		
Diversified Healthcare Trust		
4.375%, 03/01/2031	250,000	170,000
4.750%, 02/15/2028	930,000	684,713
9.750%, 06/15/2025	170,000	167,663
Five Point Operating Company LP		
7.875%, 11/15/2025 (A)	800,000	671,000
Forestar Group, Inc.		
3.850%, 05/15/2026 (A)	550,000	451,978
5.000%, 03/01/2028 (A)	250,000	204,182
IIP Operating Partnership LP		
5.500%, 05/25/2026	860,000	779,438
Iron Mountain Information Management Services, Inc.		
5.000%, 07/15/2032 (A)	450,000	363,201
MPT Operating Partnership LP		
3.500%, 03/15/2031	200,000	157,632
4.625%, 08/01/2029	560,000	491,400
Park Intermediate Holdings LLC		
5.875%, 10/01/2028 (A)	390,000	355,949
Realogy Group LLC		
5.750%, 01/15/2029 (A)	180,000	136,498
Service Properties Trust		
5.500%, 12/15/2027	400,000	324,000
The GEO Group, Inc.		
5.875%, 10/15/2024	810,000	727,902

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
The GEO Group, Inc. (continued)		
6.000%, 04/15/2026	\$ 945,000	\$ 769,939
		6,455,495
Utilities – 1.0%		
Calpine Corp.		
5.000%, 02/01/2031 (A)	300,000	242,529
Suburban Propane Partners LP		
5.000%, 06/01/2031 (A)	340,000	289,128
Sunnova Energy Corp.		
5.875%, 09/01/2026 (A)(B)	1,010,000	878,707
Superior Plus LP		
4.500%, 03/15/2029 (A)	290,000	246,500
		1,656,864
TOTAL CORPORATE BONDS		
(Cost \$169,882,666)		\$ 138,319,288
CONVERTIBLE BONDS – 1.0%		
Communication services – 0.3%		
DISH Network Corp.		
3.375%, 08/15/2026	530,000	358,015
Liberty TripAdvisor Holdings, Inc.		
0.500%, 06/30/2051 (A)	90,000	56,790
		414,805
Consumer discretionary – 0.3%		
DraftKings Holdings, Inc.		
8.817%, 03/15/2028 (E)	700,000	429,100
Liberty Latin America, Ltd.		
2.000%, 07/15/2024	70,000	60,594
NCL Corp., Ltd.		
2.500%, 02/15/2027 (A)	110,000	75,625
		565,319
Financials – 0.2%		
Blackstone Mortgage Trust, Inc.		
5.500%, 03/15/2027	360,000	328,140
Industrials – 0.2%		
Spirit Airlines, Inc.		
1.000%, 05/15/2026	370,000	333,555
TOTAL CONVERTIBLE BONDS		
(Cost \$2,069,546)		\$ 1,641,819
TERM LOANS (F) – 4.8%		
Consumer discretionary – 1.7%		
Adtalem Global Education, Inc., 2021 Term Loan B (1 month LIBOR + 4.000%) 5.595%, 08/12/2028	429,097	408,286
Equinox Holdings, Inc., 2020 Term Loan B2 (3 month LIBOR + 9.000%) 11.250%, 03/08/2024	372,400	327,712
First Brands Group LLC, 2021 Term Loan (3 month SOFR + 5.000%) 6.000%, 03/30/2027	345,625	326,961
Great Outdoors Group LLC, 2021 Term Loan B1 (1 month LIBOR + 3.750%) 5.416%, 03/06/2028	325,069	295,487
Rent-A-Center, Inc., 2021 First Lien Term Loan B (1 month LIBOR + 3.250%) 4.938%, 02/17/2028	592,500	531,401
Spencer Spirit IH LLC, Term Loan B (1 month LIBOR + 6.000%) 7.666%, 06/19/2026	585,875	573,425

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Consumer discretionary (continued)		
Truck Hero, Inc., 2021 Term Loan B (1 month LIBOR + 3.500%) 5.166%, 01/31/2028	\$ 345,625	\$ 308,298
		2,771,570
Financials – 0.4%		
Acrisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%) 5.166%, 02/15/2027	449,650	411,430
Amerilife Holdings LLC, 2020 Term Loan (1 month LIBOR + 4.000%) 5.666%, 03/18/2027	147,026	140,364
Deerfield Dakota Holding LLC, 2021 USD 2nd Lien Term Loan (1 month LIBOR + 6.750%) 8.416%, 04/07/2028	190,000	184,300
		736,094
Health care – 0.5%		
Eyecare Partners LLC, 2020 Term Loan (3 month LIBOR + 3.750%) 6.000%, 02/18/2027	489,505	451,568
US Renal Care, Inc., 2019 Term Loan B (1 month LIBOR + 5.000%) 6.688%, 06/26/2026	641,136	436,658
		888,226
Industrials – 0.3%		
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 7.313%, 06/21/2027	450,000	443,700
Information technology – 1.6%		
Dcert Buyer, Inc., 2021 2nd Lien Term Loan (1 month LIBOR + 7.000%) 8.666%, 02/19/2029	820,000	758,500
Global Tel*Link Corp., 2018 1st Lien Term Loan (1 month LIBOR + 4.250%) 5.916%, 11/29/2025	649,735	601,921
Peraton Corp., Term Loan B (1 month LIBOR + 3.750%) 5.416%, 02/01/2028	416,933	390,650
Redstone Holdco 2 LP, 2021 2nd Lien Term Loan (3 month LIBOR + 7.750%) 8.975%, 04/27/2029	520,000	445,120
Redstone Holdco 2 LP, 2021 Term Loan (3 month LIBOR + 4.750%) 5.934%, 04/27/2028	466,475	399,615
Vericast Corp., 2021 Term Loan (3 month LIBOR + 7.750%) 10.000%, 06/16/2026	143,896	111,279
		2,707,085
Materials – 0.3%		
Arctic Canadian Diamond Company, Ltd., 2nd Lien PIK Term Loan (3 month LIBOR + 4.000% or 12.500% PIK) 5.000%, 12/31/2027 (G)	500,391	411,672
TOTAL TERM LOANS (Cost \$8,812,935)		\$ 7,958,347
ASSET BACKED SECURITIES – 6.9%		
AIG CLO, Ltd. Series 2018-1A, Class DR (3 month LIBOR + 3.100%) 4.163%, 04/20/2032 (A)(H)	260,000	233,752

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Aimco CLO, Ltd. Series 2020-12A, Class DR (3 month CME Term SOFR + 2.900%) 3.751%, 01/17/2032 (A)(H)	\$ 350,000	\$ 326,561
Balboa Bay Loan Funding, Ltd. Series 2020-1A, Class ER (3 month LIBOR + 6.400%) 7.463%, 01/20/2032 (A)(H)	500,000	433,234
Ballyrock CLO, Ltd. Series 2016-1A, Class ER (3 month LIBOR + 6.950%) 7.994%, 10/15/2028 (A)(H)	250,000	232,752
Series 2022-19A, Class D (3 month CME Term SOFR + 7.110%) 8.282%, 04/20/2035 (A)(H)	710,000	615,651
Barings CLO, Ltd. Series 2018-3A, Class D (3 month LIBOR + 2.900%) 3.963%, 07/20/2029 (A)(H)	250,000	230,069
Series 2020-4A, Class E (3 month LIBOR + 5.680%) 6.743%, 01/20/2032 (A)(H)	330,000	286,225
Battalion CLO, Ltd. Series 2021-20A, Class D (3 month LIBOR + 3.100%) 4.144%, 07/15/2034 (A)(H)	250,000	226,748
Benefit Street Partners CLO XI, Ltd. Series 2017-12A, Class C (3 month LIBOR + 3.050%) 4.094%, 10/15/2030 (A)(H)	250,000	221,478
BlueMountain CLO, Ltd. Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 9.268%, 08/20/2032 (A)(H)	300,000	274,949
Bristol Park CLO, Ltd. Series 2016-1A, Class ER (3 month LIBOR + 7.000%) 8.044%, 04/15/2029 (A)(H)	600,000	545,836
Carlyle US CLO, Ltd. Series 2017-2A, Class C (3 month LIBOR + 3.700%) 4.763%, 07/20/2031 (A)(H)	500,000	428,830
Catskill Park CLO, Ltd. Series 2017-1A, Class D (3 month LIBOR + 6.000%) 7.063%, 04/20/2029 (A)(H)	500,000	438,354
Cook Park CLO, Ltd. Series 2018-1A, Class E (3 month LIBOR + 5.400%) 6.444%, 04/17/2030 (A)(H)	250,000	215,226
Dryden CLO, Ltd. Series 2019-75A, Class ER2 (3 month LIBOR + 6.600%) 7.644%, 04/15/2034 (A)(H)	470,000	420,169
Dryden Senior Loan Fund Series 2015-40A, Class DR (3 month LIBOR + 3.100%) 4.511%, 08/15/2031 (A)(H)	250,000	234,655
Eaton Vance CLO, Ltd. Series 2020-2A, Class ER (3 month LIBOR + 6.500%) 7.544%, 01/15/2035 (A)(H)	440,000	393,223
Great Lakes CLO, Ltd. Series 2014-1A, Class CR (3 month LIBOR + 2.700%) 3.744%, 10/15/2029 (A)(H)	400,000	381,755

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Greenwood Park CLO, Ltd.		
Series 2018-1A, Class D (3 month LIBOR + 2.500%)	\$ 290,000	\$ 256,061
3.544%, 04/15/2031 (A)(H)		
Series 2018-1A, Class E (3 month LIBOR + 4.950%)	250,000	211,022
5.994%, 04/15/2031 (A)(H)		
Greywolf CLO IV, Ltd.		
Series 2019-1A, Class CR (3 month LIBOR + 3.650%)	250,000	231,505
4.694%, 04/17/2034 (A)(H)		
Gripen Park CLO, Ltd.		
Series 2017-1A, Class E (3 month LIBOR + 5.700%)	420,000	375,203
6.763%, 01/20/2030 (A)(H)		
Jay Park CLO, Ltd.		
Series 2016-1A, Class DR (3 month LIBOR + 5.200%)	350,000	309,649
6.263%, 10/20/2027 (A)(H)		
Magnetite XII, Ltd.		
Series 2015-12A, Class ER (3 month LIBOR + 5.680%)	300,000	268,845
6.724%, 10/15/2031 (A)(H)		
Magnetite XXIV, Ltd.		
Series 2019-24A, Class ER (3 month CME Term SOFR + 6.400%)	250,000	220,623
7.246%, 04/15/2035 (A)(H)		
MKS CLO, Ltd.		
Series 2017-2A, Class D (3 month LIBOR + 2.650%)	500,000	429,996
3.713%, 01/20/2031 (A)(H)		
Mountain View CLO IX, Ltd.		
Series 2015-9A, Class CR (3 month LIBOR + 3.120%)	250,000	202,087
4.164%, 07/15/2031 (A)(H)		
Neuberger Berman CLO XVIII, Ltd.		
Series 2014-18A, Class DR2 (3 month LIBOR + 5.920%)	250,000	218,174
7.018%, 10/21/2030 (A)(H)		
Neuberger Berman Loan Advisers CLO XXXIV, Ltd.		
Series 2019-34A, Class ER (3 month CME Term SOFR + 6.500%)	500,000	453,452
7.351%, 01/20/2035 (A)(H)		
Neuberger Berman Loan Advisers CLO, Ltd.		
Series 2017-25A, Class DR (3 month LIBOR + 2.850%)	250,000	232,121
3.894%, 10/18/2029 (A)(H)		
OHA Credit Funding, Ltd.		
Series 2020-7A, Class DR (3 month CME Term SOFR + 3.100%)	250,000	229,301
3.946%, 02/24/2037 (A)(H)		
Saranac CLO III, Ltd.		
Series 2014-3A, Class DR (3 month LIBOR + 3.250%)	570,000	463,694
5.373%, 06/22/2030 (A)(H)		
Sculptor CLO XXVI, Ltd.		
Series 2026-A, Class E (3 month LIBOR + 7.250%)	280,000	254,483
8.313%, 07/20/2034 (A)(H)		
Venture XVII CLO, Ltd.		
Series 2014-17A, Class DRR (3 month LIBOR + 2.820%)	350,000	321,998
3.864%, 04/15/2027 (A)(H)		

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Venture XVII CLO, Ltd. (continued)		
Series 2014-17A, Class ERR (3 month LIBOR + 5.740%)	\$ 350,000	\$ 279,825
6.784%, 04/15/2027 (A)(H)		
Voya CLO III, Ltd.		
Series 2020-3A, Class DR (3 month LIBOR + 3.250%)	500,000	462,546
4.313%, 10/20/2034 (A)(H)		
TOTAL ASSET BACKED SECURITIES (Cost \$12,671,446)		\$ 11,560,052
COMMON STOCKS – 0.7%		
Communication services – 0.0%		
New Cotai, Inc., Class B (G)(I)(J)	3	0
Vertis Holdings, Inc. (G)(J)	69,391	0
		0
Consumer discretionary – 0.0%		
Party City Holdco, Inc. (B)(J)	14,174	18,710
Energy – 0.7%		
Berry Corp.	79,225	603,695
KCAD Holdings I, Ltd. (G)(I)(J)	165,553,563	166
MWO Holdings LLC (G)(I)(J)	445	2,768
Oasis Petroleum, Inc.	4,235	515,188
Permian Production (J)	19,583	11,750
		1,133,567
TOTAL COMMON STOCKS (Cost \$4,679,303)		\$ 1,152,277
PREFERRED SECURITIES – 0.8%		
Energy – 0.3%		
MPLX LP, 8.461% (G)	16,445	526,240
Financials – 0.5%		
B. Riley Financial, Inc., 5.000%	13,375	302,275
B. Riley Financial, Inc., 5.250%	9,825	214,480
B. Riley Financial, Inc., 6.000%	13,075	298,372
		815,127
TOTAL PREFERRED SECURITIES (Cost \$1,441,338)		\$ 1,341,367
ESCROW CERTIFICATES – 0.0%		
Adelphia Communications Corp. (G)(J)	\$ 3,000,000	0
Adelphia Communications Corp. (G)(J)	2,050,000	0
Adelphia Communications Corp. (G)(J)	1,025,000	0
Magellan Health, Inc. (G)(J)	1,930,000	0
TOTAL ESCROW CERTIFICATES (Cost \$342,202)		\$ 0
SHORT-TERM INVESTMENTS – 4.9%		
Short-term funds – 4.9%		
John Hancock Collateral Trust, 1.4215% (K)(L)	801,755	8,014,659
State Street Institutional Treasury Plus Money Market Fund, Premier Class, 0.7476% (K)	194,751	194,751
TOTAL SHORT-TERM INVESTMENTS (Cost \$8,210,923)		\$ 8,209,410
Total Investments (High Yield Trust) (Cost \$209,989,763) – 102.4%		\$ 171,201,838
Other assets and liabilities, net – (2.4%)		(3,957,513)
TOTAL NET ASSETS – 100.0%		\$ 167,244,325
Currency Abbreviations		
BRL	Brazilian Real	
CAD	Canadian Dollar	
IDR	Indonesian Rupiah	
Security Abbreviations and Legend		
CME	Chicago Mercantile Exchange	
CMT	Constant Maturity Treasury	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

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.
SOFR	Secured Overnight Financing Rate
(A)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$118,482,902 or 70.8% of the fund's net assets as of 6-30-22.
(B)	All or a portion of this security is on loan as of 6-30-22.
(C)	Non-income producing - Issuer is in default.
(D)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(E)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.

High Yield Trust (continued)

(F)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(G)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(H)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(I)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(J)	Non-income producing security.
(K)	The rate shown is the annualized seven-day yield as of 6-30-22.
(L)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	81	Long	Sep 2022	\$9,141,167	\$9,092,250	\$(48,917)
						\$(48,917)

[^] 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 484,790	MSCS	7/19/2022	—	\$(20,530)
MXN 1,174,325	USD 58,255	MSCS	7/19/2022	—	(6)
USD 669,501	CAD 836,249	JPM	7/19/2022	\$19,825	—
				\$19,825	\$(20,536)

SWAPS

Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Beazer Homes USA	646,000	USD	\$646,000	5.000%	Quarterly	Jun 2027	\$13,010	\$68,996	\$82,006
Centrally cleared	KB Home	839,000	USD	839,000	5.000%	Quarterly	Jun 2027	(61,777)	47,401	(14,376)
Centrally cleared	Macy's Retail Holdings LLC	470,000	USD	470,000	1.000%	Quarterly	Jun 2027	53,203	26,892	80,095
Centrally cleared	NOVA Chemicals Corp.	355,000	USD	355,000	5.000%	Quarterly	Jun 2027	(8,834)	10,548	1,714
Centrally cleared	The Goodyear Tire & Rubber Company	470,000	USD	470,000	5.000%	Quarterly	Jun 2027	(8,463)	13,673	5,210
Centrally cleared	Xerox Holdings Corp.	190,000	USD	190,000	1.000%	Quarterly	Jun 2027	26,772	(799)	25,973
				\$2,970,000				\$13,911	\$166,711	\$180,622

Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Occidental Petroleum Corp.	1.104%	750,000	USD	\$750,000	1.000%	Quarterly	Jun 2026	\$(27,397)	\$948	\$(26,449)
Centrally cleared	Ford Motor Credit Company LLC	4.278%	800,000	USD	800,000	5.000%	Quarterly	Dec 2026	110,640	(123,527)	(12,887)
					\$1,550,000				\$83,243	\$(122,579)	\$(39,336)

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

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

High Yield Trust (continued)

Derivatives Currency Abbreviations

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

Derivatives Abbreviations

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.

Investment Quality Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 73.5%		
U.S. Government – 34.3%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 4,170,000	\$ 2,653,163
1.875%, 11/15/2051	3,165,000	2,374,739
2.250%, 08/15/2046	3,655,000	2,947,129
2.500%, 02/15/2045 (A)	4,309,000	3,654,571
2.500%, 02/15/2046	648,000	549,458
2.875%, 05/15/2043	1,170,000	1,066,894
3.000%, 11/15/2044 to 02/15/2048	9,575,000	8,929,505
3.125%, 02/15/2043 to 05/15/2048	3,885,000	3,747,794
3.125%, 08/15/2044 (A)	5,535,000	5,242,683
3.375%, 05/15/2044	1,690,000	1,668,017
3.625%, 08/15/2043	680,000	697,903
3.750%, 11/15/2043 (A)	2,908,000	3,041,927
4.375%, 11/15/2039	1,170,000	1,351,624
5.375%, 02/15/2031	3,000	3,533
6.500%, 11/15/2026	3,135,000	3,570,716
U.S. Treasury Inflation Protected Securities		
0.125%, 02/15/2051	210,948	162,380
0.250%, 07/15/2029	333,359	323,234
0.750%, 07/15/2028	769,229	774,728
0.875%, 02/15/2047	975,922	901,584
1.000%, 02/15/2048	257,880	246,114
U.S. Treasury Notes		
0.625%, 05/15/2030	14,855,000	12,386,489
0.875%, 11/15/2030	4,105,000	3,465,999
1.375%, 11/15/2031	1,155,000	1,001,782
1.625%, 05/15/2031	6,790,000	6,066,971
1.875%, 02/15/2032	3,110,000	2,817,466
2.750%, 02/15/2028	6,865,000	6,745,131
		76,391,534
U.S. Government Agency – 39.2%		
Federal Home Loan Mortgage Corp.		
3.000%, 12/01/2046 to 04/01/2048	270,958	256,221
3.500%, 03/01/2048 to 06/01/2048	771,481	753,009
5.000%, 12/01/2034	84,824	88,817
6.500%, 04/01/2029 to 08/01/2034	5,469	6,025
7.500%, 12/01/2025 to 05/01/2028	1,456	1,549
Federal National Mortgage Association		
2.000%, TBA (B)	27,300,000	23,959,248
2.500%, TBA (B)	22,300,000	20,029,047
2.500%, 07/01/2030 to 04/01/2045	743,188	686,845
2.660%, 03/01/2027	781,822	754,637
3.000%, TBA (B)	5,900,000	5,491,145
3.500%, 06/01/2046 to 05/01/2048	2,800,505	2,735,357
4.000%, TBA (B)	5,800,000	5,717,529
4.500%, TBA (B)	3,300,000	3,312,118

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		
2.000%, TBA (B)	\$ 4,200,000	\$ 3,728,955
3.000%, TBA (B)	7,500,000	7,066,697
3.500%, TBA (B)	5,400,000	5,244,735
4.000%, TBA (B)	2,600,000	2,587,445
4.000%, 11/15/2040 to 02/15/2042	22,560	22,805
4.500%, TBA (B)	4,600,000	4,666,862
6.000%, 08/15/2032 to 04/15/2035	30,777	33,059
6.500%, 06/15/2028 to 02/15/2035	15,850	16,773
7.000%, 11/15/2031 to 11/15/2033	73,630	78,304
		87,237,182
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$175,245,409)		
	\$	163,628,716
FOREIGN GOVERNMENT OBLIGATIONS – 5.0%		
Angola – 0.1%		
Republic of Angola		
8.000%, 11/26/2029	200,000	157,839
8.250%, 05/09/2028	200,000	165,796
		323,635
Benin – 0.1%		
Republic of Benin		
4.950%, 01/22/2035	EUR 305,000	207,650
Bermuda – 0.1%		
Government of Bermuda		
2.375%, 08/20/2030 (C)	\$ 200,000	166,981
Brazil – 0.4%		
Federative Republic of Brazil		
10.000%, 01/01/2031	BRL 5,476,000	892,972
Chile – 0.2%		
Republic of Chile		
1.250%, 01/22/2051	EUR 525,000	301,826
4.000%, 01/31/2052	\$ 200,000	165,761
		467,587
Colombia – 0.1%		
Republic of Colombia		
5.000%, 06/15/2045	200,000	133,660
5.625%, 02/26/2044	200,000	143,511
		277,171
Croatia – 0.2%		
Republic of Croatia		
1.500%, 06/17/2031	EUR 515,000	461,372
Dominican Republic – 0.2%		
Government of Dominican Republic		
6.400%, 06/05/2049 (C)	\$ 425,000	316,958

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Dominican Republic (continued)		
Government of Dominican Republic (continued)		
6.400%, 06/05/2049	\$ 150,000	\$ 111,867
		428,825
Egypt – 0.1%		
Arab Republic of Egypt		
7.903%, 02/21/2048	325,000	185,229
Ghana – 0.0%		
Republic of Ghana		
6.375%, 02/11/2027 (C)	200,000	114,000
Hungary – 0.3%		
Republic of Hungary		
1.625%, 04/28/2032	EUR 735,000	587,605
Indonesia – 0.2%		
Republic of Indonesia		
1.100%, 03/12/2033	530,000	394,286
Ivory Coast – 0.1%		
Republic of Ivory Coast		
4.875%, 01/30/2032	225,000	168,833
Jordan – 0.1%		
The Hashemite Kingdom of Jordan		
5.850%, 07/07/2030	\$ 210,000	166,105
Macedonia – 0.2%		
Republic of North Macedonia		
2.750%, 01/18/2025	EUR 210,000	198,639
3.675%, 06/03/2026 (C)	265,000	246,167
		444,806
Mexico – 1.1%		
Government of Mexico		
1.125%, 01/17/2030	200,000	161,805
1.450%, 10/25/2033	600,000	428,192
3.500%, 02/12/2034	\$ 325,000	268,446
4.750%, 03/08/2044	20,000	16,620
7.750%, 05/29/2031	MXN 35,584,600	1,627,625
		2,502,688
Oman – 0.2%		
Sultanate of Oman		
6.750%, 01/17/2048 (C)	\$ 400,000	344,120
Panama – 0.3%		
Republic of Panama		
3.160%, 01/23/2030	200,000	177,592
3.870%, 07/23/2060	785,000	554,275
		731,867
Philippines – 0.3%		
Republic of the Philippines		
1.200%, 04/28/2033	EUR 535,000	418,758
1.750%, 04/28/2041	200,000	141,020
		559,778
Romania – 0.3%		
Republic of Romania		
2.625%, 12/02/2040 (C)	335,000	203,634
2.750%, 04/14/2041	345,000	210,582
3.375%, 02/08/2038	170,000	119,362
4.625%, 04/03/2049	317,000	234,643
		768,221
Saudi Arabia – 0.1%		
Kingdom of Saudi Arabia		
2.000%, 07/09/2039	400,000	318,452
Senegal – 0.2%		
Republic of Senegal		
4.750%, 03/13/2028	200,000	169,607

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Senegal (continued)		
Republic of Senegal (continued)		
6.250%, 05/23/2033	\$ 255,000	\$ 195,092
		364,699
United Arab Emirates – 0.1%		
Finance Department Government of Sharjah		
3.625%, 03/10/2033 (C)	280,000	239,400
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$15,310,857)		
	\$	11,116,282
CORPORATE BONDS – 29.8%		
Communication services – 3.0%		
AT&T, Inc.		
3.550%, 09/15/2055	798,000	597,894
3.800%, 12/01/2057	51,000	39,388
CCO Holdings LLC		
4.500%, 08/15/2030 (C)	70,000	58,119
Charter Communications Operating LLC		
4.400%, 04/01/2033	195,000	174,103
5.050%, 03/30/2029	95,000	91,434
5.125%, 07/01/2049	165,000	136,574
5.750%, 04/01/2048	45,000	40,336
6.484%, 10/23/2045	250,000	243,042
6.834%, 10/23/2055	40,000	40,200
Comcast Corp.		
3.250%, 11/01/2039	35,000	28,766
3.750%, 04/01/2040	335,000	293,614
Cox Communications, Inc.		
2.600%, 06/15/2031 (C)	170,000	142,168
CSC Holdings LLC		
3.375%, 02/15/2031 (C)	430,000	317,903
Discovery Communications LLC		
3.800%, 03/13/2024	80,000	79,574
3.950%, 06/15/2025 to 03/20/2028	140,000	131,215
4.000%, 09/15/2055	246,000	172,324
4.125%, 05/15/2029	22,000	20,294
5.200%, 09/20/2047	93,000	79,773
5.300%, 05/15/2049	247,000	211,483
IHS Holding, Ltd.		
6.250%, 11/29/2028 (C)	200,000	161,300
Lamar Media Corp.		
3.625%, 01/15/2031	30,000	24,553
3.750%, 02/15/2028	177,000	157,128
Magallanes, Inc.		
4.279%, 03/15/2032 (C)	260,000	232,373
5.141%, 03/15/2052 (C)	705,000	591,742
Paramount Global		
4.375%, 03/15/2043	100,000	77,341
4.950%, 01/15/2031	195,000	185,642
Rogers Communications, Inc.		
3.800%, 03/15/2032 (C)	125,000	114,301
4.550%, 03/15/2052 (C)	150,000	131,724
Sirius XM Radio, Inc.		
4.125%, 07/01/2030 (C)	40,000	33,408
Sprint Corp.		
7.125%, 06/15/2024	85,000	87,231
Telecom Italia Capital SA		
6.000%, 09/30/2034	15,000	11,314
7.721%, 06/04/2038	25,000	19,288
Telefonica Celular del Paraguay SA		
5.875%, 04/15/2027 (C)	400,000	366,820
Time Warner Cable LLC		
4.500%, 09/15/2042	455,000	355,182
5.875%, 11/15/2040	65,000	59,565

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
T-Mobile USA, Inc.		
2.050%, 02/15/2028	\$ 185,000	\$ 160,615
3.500%, 04/15/2025	175,000	171,157
3.875%, 04/15/2030	240,000	223,981
4.500%, 04/15/2050	25,000	22,183
Verizon Communications, Inc.		
2.355%, 03/15/2032	135,000	111,934
2.650%, 11/20/2040	70,000	51,350
2.850%, 09/03/2041	90,000	67,451
3.850%, 11/01/2042	35,000	29,841
4.000%, 03/22/2050	15,000	12,963
4.272%, 01/15/2036	15,000	14,123
Videotron, Ltd.		
5.375%, 06/15/2024 (C)	40,000	39,700
WMG Acquisition Corp.		
3.875%, 07/15/2030 (C)	450,000	374,198
		6,786,612
Consumer discretionary – 2.0%		
Amazon.com, Inc.		
3.450%, 04/13/2029	570,000	554,087
3.875%, 08/22/2037	170,000	161,146
3.950%, 04/13/2052	380,000	351,092
Asbury Automotive Group, Inc.		
4.500%, 03/01/2028 (D)	45,000	39,038
Carnival Corp.		
4.000%, 08/01/2028 (C)	65,000	53,300
Ford Motor Company		
3.250%, 02/12/2032	35,000	26,177
General Motors Financial Company, Inc.		
3.600%, 06/21/2030	240,000	207,363
Hanesbrands, Inc.		
4.875%, 05/15/2026 (C)	50,000	46,313
Howard University		
2.701%, 10/01/2029	100,000	88,567
2.801%, 10/01/2030	100,000	88,088
3.476%, 10/01/2041	120,000	98,111
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
4.750%, 06/01/2027 (C)	20,000	19,234
Las Vegas Sands Corp.		
3.500%, 08/18/2026	180,000	156,438
Lithia Motors, Inc.		
4.625%, 12/15/2027 (C)	30,000	27,499
Lowe's Companies, Inc.		
3.350%, 04/01/2027	40,000	38,493
3.750%, 04/01/2032	30,000	27,833
McDonald's Corp.		
3.625%, 09/01/2049	130,000	107,336
New Red Finance, Inc.		
3.500%, 02/15/2029 (C)	60,000	50,791
O'Reilly Automotive, Inc.		
4.700%, 06/15/2032	180,000	179,264
PulteGroup, Inc.		
5.500%, 03/01/2026	307,000	312,141
Service Corp. International		
3.375%, 08/15/2030	335,000	274,281
5.125%, 06/01/2029	507,000	477,690
Taylor Morrison Communities, Inc.		
5.125%, 08/01/2030 (C)	40,000	33,219
5.750%, 01/15/2028 (C)	302,000	270,973
The Gap, Inc.		
3.625%, 10/01/2029 (C)	305,000	214,171
3.875%, 10/01/2031 (C)	440,000	306,900

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
The Home Depot, Inc.		
3.300%, 04/15/2040	\$ 160,000	\$ 135,832
The William Carter Company		
5.625%, 03/15/2027 (C)	105,000	98,323
Yum! Brands, Inc.		
3.625%, 03/15/2031	20,000	16,800
		4,460,500
Consumer staples – 1.2%		
Anheuser-Busch InBev Worldwide, Inc.		
3.750%, 07/15/2042	299,000	242,193
4.750%, 04/15/2058	35,000	31,322
5.450%, 01/23/2039	138,000	140,304
BAT Capital Corp.		
4.742%, 03/16/2032	500,000	444,393
BAT International Finance PLC		
4.448%, 03/16/2028	375,000	354,997
Cargill, Inc.		
4.000%, 06/22/2032 (C)	140,000	137,002
Conagra Brands, Inc.		
4.300%, 05/01/2024	70,000	70,268
5.400%, 11/01/2048	130,000	122,771
Constellation Brands, Inc.		
3.150%, 08/01/2029	92,000	82,806
4.650%, 11/15/2028	15,000	14,900
JBS Finance Luxembourg Sarl		
2.500%, 01/15/2027 (C)	200,000	173,972
Kellogg Company		
3.400%, 11/15/2027	150,000	143,385
Kernel Holding SA		
6.500%, 10/17/2024	200,000	90,500
Keurig Dr. Pepper, Inc.		
3.950%, 04/15/2029	215,000	205,107
Mondelez International, Inc.		
3.000%, 03/17/2032	145,000	126,079
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (C)	420,000	426,300
		2,806,299
Energy – 2.9%		
Apache Corp.		
4.875%, 11/15/2027	20,000	18,400
BP Capital Markets America, Inc.		
2.939%, 06/04/2051	120,000	85,800
3.000%, 02/24/2050	40,000	29,039
3.379%, 02/08/2061	105,000	77,572
3.633%, 04/06/2030	215,000	203,404
ConocoPhillips Company		
3.800%, 03/15/2052	25,000	21,393
4.025%, 03/15/2062 (C)	45,000	38,109
Continental Resources, Inc.		
5.750%, 01/15/2031 (C)	60,000	58,016
DCP Midstream Operating LP		
5.125%, 05/15/2029	265,000	238,500
5.600%, 04/01/2044	30,000	24,243
Ecopetrol SA		
4.625%, 11/02/2031	430,000	325,721
Energopro AS		
8.500%, 02/04/2027 (C)	315,000	297,782
Energy Transfer LP		
4.950%, 06/15/2028	45,000	44,342
5.250%, 04/15/2029	200,000	198,091
6.125%, 12/15/2045	290,000	276,595
Enterprise Products Operating LLC		
2.800%, 01/31/2030	50,000	43,774
4.250%, 02/15/2048	65,000	54,677
4.950%, 10/15/2054	80,000	72,968

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
EQM Midstream Partners LP 6.500%, 07/01/2027 (C)	\$ 15,000	\$ 13,947
Equinor ASA 3.625%, 04/06/2040	125,000	109,615
3.700%, 04/06/2050	40,000	34,393
Exxon Mobil Corp. 4.227%, 03/19/2040	190,000	179,536
Galaxy Pipeline Assets Bidco, Ltd. 2.160%, 03/31/2034 (C)(D)	254,628	216,339
2.625%, 03/31/2036 (C)	630,000	510,077
2.940%, 09/30/2040 (C)	196,522	160,299
Hess Corp. 7.125%, 03/15/2033	58,000	64,554
7.300%, 08/15/2031	140,000	156,684
Leviathan Bond, Ltd. 6.500%, 06/30/2027 (C)	235,000	217,009
Lundin Energy Finance BV 2.000%, 07/15/2026 (C)	200,000	178,633
3.100%, 07/15/2031 (C)	285,000	235,775
Marathon Petroleum Corp. 4.700%, 05/01/2025	200,000	202,342
MPLX LP 1.750%, 03/01/2026	25,000	22,509
4.950%, 03/14/2052	190,000	164,190
NGPL PipeCo LLC 3.250%, 07/15/2031 (C)	105,000	87,480
ONEOK, Inc. 3.100%, 03/15/2030	125,000	107,465
3.400%, 09/01/2029	100,000	88,281
4.550%, 07/15/2028	45,000	43,506
6.350%, 01/15/2031	27,000	28,204
Ovintiv, Inc. 6.500%, 08/15/2034	40,000	41,749
6.625%, 08/15/2037	165,000	173,108
Sabine Pass Liquefaction LLC 4.500%, 05/15/2030	290,000	277,912
Shell International Finance BV 2.875%, 11/26/2041	55,000	42,567
3.000%, 11/26/2051	70,000	52,400
3.250%, 04/06/2050	85,000	66,974
Sunoco LP 4.500%, 04/30/2030 (C)	25,000	20,185
5.875%, 03/15/2028	20,000	18,235
Targa Resources Corp. 4.200%, 02/01/2033	135,000	122,289
4.950%, 04/15/2052	15,000	12,854
6.250%, 07/01/2052 (B)	110,000	110,347
Targa Resources Partners LP 4.000%, 01/15/2032	55,000	47,067
4.875%, 02/01/2031	20,000	18,232
Transcontinental Gas Pipe Line Company LLC 3.250%, 05/15/2030	60,000	53,882
Tullow Oil PLC 7.000%, 03/01/2025 (C)	200,000	162,760
Venture Global Calcasieu Pass LLC 3.875%, 08/15/2029 (C)	45,000	39,363
Viper Energy Partners LP 5.375%, 11/01/2027 (C)	257,000	245,644
Western Midstream Operating LP 5.300%, 02/01/2030	60,000	51,900
		6,486,732
Financials – 7.8%		
American International Group, Inc. 2.500%, 06/30/2025	445,000	424,106

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Aon Corp. 2.200%, 11/15/2022	\$ 185,000	\$ 184,590
2.850%, 05/28/2027	30,000	28,136
3.900%, 02/28/2052	80,000	65,432
Athene Global Funding 2.646%, 10/04/2031 (C)	215,000	171,494
2.717%, 01/07/2029 (C)	355,000	301,490
Bangkok Bank PCL (3.466% to 9-23-31, then 5 Year CMT + 2.150%) 09/23/2036 (C)	410,000	342,655
Bank of America Corp. 7.750%, 05/14/2038	130,000	160,175
Bank of America Corp. (1.898% to 7-23-30, then SOFR + 1.530%) 07/23/2031	30,000	23,976
Bank of America Corp. (1.922% to 10-24-30, then SOFR + 1.370%) 10/24/2031	80,000	63,903
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	270,000	257,176
Bank of America Corp. (2.572% to 10-20-31, then SOFR + 1.210%) 10/20/2032	110,000	90,729
Bank of America Corp. (3.311% to 4-22-41, then SOFR + 1.580%) 04/22/2042	285,000	223,471
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	575,000	495,569
Bank of America Corp. (4.376% to 4-27-27, then SOFR + 1.580%) 04/27/2028 (D)	320,000	315,031
BNP Paribas SA (1.323% to 1-13-26, then SOFR + 1.004%) 01/13/2027 (C)	200,000	176,691
BNP Paribas SA (2.219% to 6-9-25, then SOFR + 2.074%) 06/09/2026 (C)	240,000	221,561
BNP Paribas SA (2.591% to 1-20-27, then SOFR + 1.228%) 01/20/2028 (C)	220,000	197,887
Brighthouse Financial, Inc. 3.850%, 12/22/2051	15,000	10,201
5.625%, 05/15/2030	225,000	218,463
Capital One Financial Corp. 3.900%, 01/29/2024	205,000	204,664
Capital One Financial Corp. (5.268% to 5-10-32, then SOFR + 2.370%) 05/10/2033	165,000	162,023
Citigroup, Inc. 3.200%, 10/21/2026	225,000	214,097
4.450%, 09/29/2027	45,000	44,070
Citigroup, Inc. (2.520% to 11-3-31, then SOFR + 1.177%) 11/03/2032	200,000	162,271
Corebridge Financial, Inc. 3.850%, 04/05/2029 (C)	75,000	69,310
3.900%, 04/05/2032 (C)	35,000	31,399
Danske Bank A/S 5.375%, 01/12/2024 (C)	235,000	237,080
Deutsche Bank AG (2.311% to 11-16-26, then SOFR + 1.219%) 11/16/2027	180,000	155,337
Equitable Financial Life Global Funding 1.800%, 03/08/2028 (C)	380,000	329,388
FirstCash, Inc. 4.625%, 09/01/2028 (C)	250,000	215,900
5.625%, 01/01/2030 (C)	220,000	189,968

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
GTP Acquisition Partners I LLC 3.482%, 06/16/2025 (C)	\$ 730,000	\$ 718,845
HSBC Holdings PLC (0.976% to 5-24-24, then SOFR + 0.708%) 05/24/2025	290,000	270,404
HSBC Holdings PLC (1.589% to 5-24-26, then SOFR + 1.290%) 05/24/2027	305,000	267,847
HSBC Holdings PLC (2.804% to 5-24-31, then SOFR + 1.187%) 05/24/2032	250,000	205,295
HSBC Holdings PLC (4.762% to 3-29-32, then SOFR + 2.530%) 03/29/2033	200,000	184,473
Intercontinental Exchange, Inc. 4.350%, 06/15/2029	55,000	54,270
4.600%, 03/15/2033	25,000	24,855
4.950%, 06/15/2052	20,000	19,556
JPMorgan Chase & Co. (1.561% to 12-10-24, then SOFR + 0.605%) 12/10/2025	270,000	252,241
JPMorgan Chase & Co. (2.545% to 11-8-31, then SOFR + 1.180%) 11/08/2032	260,000	216,018
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	50,000	43,169
JPMorgan Chase & Co. (3.109% to 4-22-40, then SOFR + 2.460%) 04/22/2041	90,000	69,768
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	70,000	51,304
JPMorgan Chase & Co. (3.157% to 4-22-41, then SOFR + 1.460%) 04/22/2042	455,000	353,498
JPMorgan Chase & Co. (3.220% to 3-1-24, then 3 month LIBOR + 1.155%) 03/01/2025	40,000	39,280
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.945%) 01/23/2029	285,000	266,576
JPMorgan Chase & Co. (3.702% to 5-6-29, then 3 month LIBOR + 1.160%) 05/06/2030	280,000	260,462
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	595,000	580,512
JPMorgan Chase & Co. (4.005% to 4-23-28, then 3 month LIBOR + 1.120%) 04/23/2029	315,000	301,918
JPMorgan Chase & Co. (4.323% to 4-26-27, then SOFR + 1.560%) 04/26/2028	375,000	368,822
JPMorgan Chase & Co. (4.586% to 4-26-32, then SOFR + 1.800%) 04/26/2033	45,000	44,201
Marsh & McLennan Companies, Inc. 3.875%, 03/15/2024	85,000	85,185
4.750%, 03/15/2039	120,000	117,410
MGIC Investment Corp. 5.750%, 08/15/2023	30,000	30,649
Morgan Stanley 3.125%, 07/27/2026	55,000	52,467

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Morgan Stanley (1.593% to 5-4-26, then SOFR + 0.879%) 05/04/2027	\$ 80,000	\$ 71,013
Morgan Stanley (1.794% to 2-13-31, then SOFR + 1.034%) 02/13/2032	515,000	405,097
Morgan Stanley (1.928% to 4-28-31, then SOFR + 1.020%) 04/28/2032	350,000	277,539
Morgan Stanley (2.239% to 7-21-31, then SOFR + 1.178%) 07/21/2032	255,000	206,576
Morgan Stanley (2.475% to 1-21-27, then SOFR + 1.000%) 01/21/2028	265,000	240,896
Morgan Stanley (2.511% to 10-20-31, then SOFR + 1.200%) 10/20/2032	30,000	24,788
Morgan Stanley (3.591% to 7-22-27, then 3 month LIBOR + 1.340%) 07/22/2028	395,000	373,937
Morgan Stanley (4.210% to 4-20-27, then SOFR + 1.610%) 04/20/2028	400,000	391,063
Navient Corp. 7.250%, 09/25/2023	21,000	20,777
New York Life Global Funding 2.000%, 01/22/2025 (C)	205,000	196,086
NTT Finance Corp. 1.162%, 04/03/2026 (C)	200,000	179,655
OneMain Finance Corp. 6.125%, 03/15/2024	75,000	71,625
Power Finance Corp., Ltd. 3.950%, 04/23/2030 (C)	515,000	455,627
S&P Global, Inc. 2.450%, 03/01/2027 (C)	70,000	65,520
2.700%, 03/01/2029 (C)	120,000	109,189
2.900%, 03/01/2032 (C)	95,000	84,666
Societe Generale SA (6.221% to 6-15-32, then 1 Year CMT + 3.200%) 06/15/2033 (C)	350,000	334,060
The Bank of New York Mellon Corp. 2.050%, 01/26/2027	220,000	202,136
The Goldman Sachs Group, Inc. 6.750%, 10/01/2037	230,000	254,707
The Goldman Sachs Group, Inc. (0.925% to 10-21-23, then SOFR + 0.486%) 10/21/2024	175,000	167,345
The Goldman Sachs Group, Inc. (2.383% to 7-21-31, then SOFR + 1.248%) 07/21/2032	325,000	262,813
The Goldman Sachs Group, Inc. (2.615% to 4-22-31, then SOFR + 1.281%) 04/22/2032	340,000	282,280
The Goldman Sachs Group, Inc. (2.650% to 10-21-31, then SOFR + 1.264%) 10/21/2032	35,000	28,841
The Goldman Sachs Group, Inc. (3.102% to 2-24-32, then SOFR + 1.410%) 02/24/2033	100,000	85,408
The Goldman Sachs Group, Inc. (4.017% to 10-31-37, then 3 month LIBOR + 1.373%) 10/31/2038	25,000	21,831
The Goldman Sachs Group, Inc. (4.223% to 5-1-28, then 3 month LIBOR + 1.301%) 05/01/2029	235,000	225,880
UBS Group AG (4.751% to 5-12-27, then 1 Year CMT + 1.750%) 05/12/2028 (C)	200,000	197,926
Unum Group 4.125%, 06/15/2051	35,000	25,813

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Wells Fargo & Company		
3.000%, 04/22/2026 to 10/23/2026	\$ 205,000	\$ 193,989
4.400%, 06/14/2046	60,000	52,225
4.900%, 11/17/2045	15,000	13,903
5.606%, 01/15/2044	15,000	15,095
Wells Fargo & Company (3.350% to 3-2-32, then SOFR + 1.500%) 03/02/2033	275,000	244,053
Wells Fargo & Company (3.908% to 4-25-25, then SOFR + 1.320%) 04/25/2026	450,000	442,568
Wells Fargo & Company (5.013% to 4-4-50, then SOFR + 4.502%) 04/04/2051	80,000	78,464
Willis North America, Inc. 3.600%, 05/15/2024	115,000	113,273
		17,283,932
Health care – 2.1%		
AbbVie, Inc.		
3.200%, 11/21/2029	90,000	82,795
4.625%, 10/01/2042	60,000	55,355
Alcon Finance Corp.		
2.750%, 09/23/2026 (C)	400,000	373,890
Avantor Funding, Inc.		
4.625%, 07/15/2028 (C)	375,000	343,763
Bausch Health Companies, Inc.		
5.750%, 08/15/2027 (C)	50,000	41,419
Baxter International, Inc.		
2.539%, 02/01/2032	715,000	603,578
Bayer US Finance II LLC		
4.250%, 12/15/2025 (C)	260,000	256,604
Centene Corp.		
3.375%, 02/15/2030	5,000	4,240
4.250%, 12/15/2027	50,000	46,674
4.625%, 12/15/2029	585,000	545,513
CommonSpirit Health		
3.347%, 10/01/2029	45,000	41,537
CSL Finance PLC		
4.050%, 04/27/2029 (C)	155,000	152,167
4.250%, 04/27/2032 (C)	160,000	156,435
CVS Health Corp.		
4.125%, 04/01/2040	85,000	74,192
5.125%, 07/20/2045	85,000	81,874
Elevance Health, Inc.		
3.500%, 08/15/2024	130,000	129,533
HCA, Inc.		
4.625%, 03/15/2052 (C)	55,000	44,003
Humana, Inc.		
3.700%, 03/23/2029	225,000	212,995
Kaiser Foundation Hospitals		
2.810%, 06/01/2041	100,000	77,538
3.002%, 06/01/2051	165,000	123,028
Royalty Pharma PLC		
1.750%, 09/02/2027	25,000	21,311
2.150%, 09/02/2031	420,000	327,719
2.200%, 09/02/2030	85,000	68,569
3.300%, 09/02/2040	55,000	40,620
Sutter Health		
3.361%, 08/15/2050	110,000	84,387
Teleflex, Inc.		
4.250%, 06/01/2028 (C)	45,000	40,659
4.625%, 11/15/2027	15,000	13,838
Teva Pharmaceutical Finance		
Netherlands III BV		
4.750%, 05/09/2027	200,000	170,824

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
UnitedHealth Group, Inc.		
2.750%, 05/15/2040	\$ 110,000	\$ 85,674
3.500%, 08/15/2039	70,000	61,032
4.000%, 05/15/2029	185,000	183,243
4.200%, 05/15/2032	95,000	94,923
4.950%, 05/15/2062	30,000	30,416
		4,670,348
Industrials – 2.3%		
AerCap Ireland Capital DAC		
3.300%, 01/30/2032	270,000	216,133
Ashtead Capital, Inc.		
4.375%, 08/15/2027 (C)	605,000	562,393
Booz Allen Hamilton, Inc.		
3.875%, 09/01/2028 (C)	510,000	451,350
4.000%, 07/01/2029 (C)	80,000	69,754
Builders FirstSource, Inc.		
5.000%, 03/01/2030 (C)	225,000	190,676
BWX Technologies, Inc.		
4.125%, 04/15/2029 (C)	55,000	48,263
Clean Harbors, Inc.		
4.875%, 07/15/2027 (C)	625,000	571,875
5.125%, 07/15/2029 (C)	25,000	22,688
DAE Funding LLC		
1.550%, 08/01/2024 (C)	435,000	407,446
Imola Merger Corp.		
4.750%, 05/15/2029 (C)	50,000	41,833
International Airport Finance SA		
12.000%, 03/15/2033 (C)	326,117	316,334
L3Harris Technologies, Inc.		
3.850%, 06/15/2023	260,000	259,963
Northrop Grumman Corp.		
5.150%, 05/01/2040	95,000	96,191
Otis Worldwide Corp.		
2.565%, 02/15/2030	210,000	181,410
Parker-Hannifin Corp.		
4.250%, 09/15/2027	105,000	104,267
4.500%, 09/15/2029	95,000	94,530
Penske Truck Leasing Company LP		
2.700%, 11/01/2024 (C)	250,000	239,983
4.000%, 07/15/2025 (C)	170,000	167,346
4.400%, 07/01/2027 (C)	140,000	137,237
Raytheon Technologies Corp.		
2.375%, 03/15/2032	50,000	42,312
3.650%, 08/16/2023	4,000	3,996
4.450%, 11/16/2038	120,000	114,458
Sensata Technologies BV		
5.000%, 10/01/2025 (C)	75,000	72,000
The Boeing Company		
5.040%, 05/01/2027	220,000	217,309
5.150%, 05/01/2030	135,000	129,584
Union Pacific Corp.		
2.375%, 05/20/2031	220,000	190,096
2.800%, 02/14/2032	80,000	71,210
2.973%, 09/16/2062	5,000	3,461
United Airlines, Inc.		
4.625%, 04/15/2029 (C)	45,000	38,172
United Rentals North America, Inc.		
4.000%, 07/15/2030	35,000	29,921
5.500%, 05/15/2027	32,000	31,381
		5,123,572
Information technology – 3.6%		
Apple, Inc.		
1.400%, 08/05/2028	25,000	21,875
2.650%, 02/08/2051	65,000	47,906
4.375%, 05/13/2045	35,000	34,618

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (C)	\$ 824,000	\$ 712,760
Broadcom, Inc.		
3.419%, 04/15/2033 (C)	215,000	177,750
3.469%, 04/15/2034 (C)	46,000	37,438
4.000%, 04/15/2029 (C)	705,000	653,250
4.300%, 11/15/2032	35,000	31,788
CDK Global, Inc.		
5.250%, 05/15/2029 (C)	81,000	79,363
CDW LLC		
2.670%, 12/01/2026	60,000	53,456
3.250%, 02/15/2029	340,000	286,678
3.276%, 12/01/2028	55,000	47,443
3.569%, 12/01/2031	50,000	41,308
4.125%, 05/01/2025	230,000	223,675
Entegris, Inc.		
3.625%, 05/01/2029 (C)	20,000	16,725
4.375%, 04/15/2028 (C)	40,000	35,300
Fair Isaac Corp.		
4.000%, 06/15/2028 (C)	386,000	341,934
Gartner, Inc.		
3.625%, 06/15/2029 (C)	50,000	43,319
3.750%, 10/01/2030 (C)	143,000	121,729
4.500%, 07/01/2028 (C)	193,000	177,214
Global Payments, Inc.		
2.150%, 01/15/2027	55,000	48,816
3.200%, 08/15/2029	230,000	200,993
Go Daddy Operating Company LLC		
3.500%, 03/01/2029 (C)	55,000	46,370
5.250%, 12/01/2027 (C)	454,000	415,410
Intel Corp.		
3.100%, 02/15/2060	175,000	124,955
Kyndryl Holdings, Inc.		
3.150%, 10/15/2031 (C)	170,000	125,864
Leidos, Inc.		
3.625%, 05/15/2025	130,000	127,253
Marvell Technology, Inc.		
2.450%, 04/15/2028	190,000	165,794
2.950%, 04/15/2031	190,000	159,327
Microchip Technology, Inc.		
2.670%, 09/01/2023	370,000	363,835
Microsoft Corp.		
3.041%, 03/17/2062	94,000	72,862
Nokia OYJ		
4.375%, 06/12/2027	130,000	122,811
6.625%, 05/15/2039	40,000	39,550
NortonLifeLock, Inc.		
5.000%, 04/15/2025 (C)	530,000	516,750
NVIDIA Corp.		
3.500%, 04/01/2040	165,000	144,430
NXP BV		
4.300%, 06/18/2029	25,000	23,851
4.875%, 03/01/2024	285,000	287,773
5.350%, 03/01/2026	65,000	66,220
5.550%, 12/01/2028	95,000	96,341
Open Text Corp.		
3.875%, 12/01/2029 (C)	355,000	298,786
Open Text Holdings, Inc.		
4.125%, 12/01/2031 (C)	60,000	49,678
Oracle Corp.		
2.300%, 03/25/2028	160,000	137,662
2.875%, 03/25/2031	35,000	28,837
3.600%, 04/01/2040 to 04/01/2050	210,000	149,932
3.850%, 04/01/2060	440,000	301,847
3.950%, 03/25/2051	140,000	102,830

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Oracle Corp. (continued)		
4.000%, 07/15/2046 to 11/15/2047	\$ 180,000	\$ 133,234
4.100%, 03/25/2061	115,000	81,360
4.125%, 05/15/2045	10,000	7,606
Qorvo, Inc.		
3.375%, 04/01/2031 (C)	80,000	62,907
4.375%, 10/15/2029	20,000	17,646
SS&C Technologies, Inc.		
5.500%, 09/30/2027 (C)	262,000	244,331
Xerox Holdings Corp.		
5.500%, 08/15/2028 (C)	40,000	33,443
		7,984,833
Materials – 1.0%		
Ball Corp.		
4.000%, 11/15/2023	570,000	565,545
DuPont de Nemours, Inc.		
4.205%, 11/15/2023	340,000	342,047
FMG Resources Proprietary, Ltd.		
4.375%, 04/01/2031 (C)	10,000	8,161
5.875%, 04/15/2030 (C)	25,000	22,500
6.125%, 04/15/2032 (C)	15,000	13,500
Freeport Indonesia PT		
5.315%, 04/14/2032 (C)	200,000	181,300
FS Luxembourg Sarl		
10.000%, 12/15/2025 (C)	200,000	201,621
International Flavors & Fragrances, Inc.		
2.300%, 11/01/2030 (C)	135,000	110,950
LYB International Finance III LLC		
1.250%, 10/01/2025	112,000	101,344
Metinvest BV		
5.625%, 06/17/2025 (C)	EUR 195,000	110,349
Olin Corp.		
5.125%, 09/15/2027	\$ 20,000	18,384
Standard Industries, Inc.		
3.375%, 01/15/2031 (C)	25,000	18,440
4.375%, 07/15/2030 (C)	410,000	323,388
The Chemours Company		
5.375%, 05/15/2027	45,000	39,593
Vale Overseas, Ltd.		
3.750%, 07/08/2030	135,000	118,329
		2,175,451
Real estate – 1.0%		
American Tower Corp.		
1.450%, 09/15/2026	85,000	74,341
1.500%, 01/31/2028	45,000	37,416
2.400%, 03/15/2025	135,000	127,579
3.650%, 03/15/2027	135,000	128,200
EPR Properties		
4.950%, 04/15/2028	190,000	174,722
Equinix, Inc.		
2.000%, 05/15/2028	104,000	89,280
GLP Capital LP		
3.250%, 01/15/2032	105,000	84,154
4.000%, 01/15/2031	85,000	73,306
5.300%, 01/15/2029	130,000	124,164
5.750%, 06/01/2028	130,000	126,984
Realty Income Corp.		
2.200%, 06/15/2028	15,000	13,152
SBA Tower Trust		
2.836%, 01/15/2025 (C)	300,000	289,525
3.448%, 03/15/2023 (C)	435,000	431,364
VICI Properties LP		
4.250%, 12/01/2026 (C)	10,000	9,133
4.950%, 02/15/2030	287,000	271,993

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
VICI Properties LP (continued)		
5.125%, 05/15/2032	\$ 150,000	\$ 141,351
		2,196,664
Utilities – 2.9%		
Alabama Power Company		
3.450%, 10/01/2049	120,000	94,935
4.150%, 08/15/2044	105,000	92,600
American Water Capital Corp.		
4.150%, 06/01/2049	80,000	70,848
4.450%, 06/01/2032	80,000	79,528
Cleco Corporate Holdings LLC		
3.375%, 09/15/2029	140,000	124,913
4.973%, 05/01/2046	5,000	4,710
Commonwealth Edison Company		
3.650%, 06/15/2046	175,000	148,344
Consolidated Edison Company of New York, Inc.		
3.200%, 12/01/2051	120,000	90,939
Duke Energy Carolinas LLC		
3.450%, 04/15/2051	5,000	4,066
Duke Energy Corp.		
2.550%, 06/15/2031	385,000	319,836
Duke Energy Indiana LLC		
2.750%, 04/01/2050	140,000	99,122
3.250%, 10/01/2049	105,000	81,168
Duke Energy Progress LLC		
3.700%, 10/15/2046	125,000	106,091
4.000%, 04/01/2052	65,000	58,091
Enel Finance International NV		
5.000%, 06/15/2032 (C)	300,000	289,630
Evergy, Inc.		
2.450%, 09/15/2024	90,000	86,536
2.900%, 09/15/2029	175,000	154,446
Exelon Corp.		
3.950%, 06/15/2025	210,000	209,277
4.100%, 03/15/2052 (C)	30,000	25,862
FirstEnergy Corp.		
1.600%, 01/15/2026	35,000	30,538
2.250%, 09/01/2030	75,000	59,438
Georgia Power Company		
4.300%, 03/15/2042	200,000	173,938
4.700%, 05/15/2032	65,000	65,172
IPALCO Enterprises, Inc.		
3.700%, 09/01/2024	175,000	173,033
ITC Holdings Corp.		
2.950%, 05/14/2030 (C)	165,000	145,460
Jersey Central Power & Light Company		
2.750%, 03/01/2032 (C)	125,000	106,319
MidAmerican Energy Company		
3.150%, 04/15/2050	90,000	70,450
3.650%, 08/01/2048	25,000	21,196
NextEra Energy Capital Holdings, Inc.		
4.625%, 07/15/2027	300,000	304,095
NiSource, Inc.		
3.490%, 05/15/2027	210,000	201,021
NRG Energy, Inc.		
2.450%, 12/02/2027 (C)	190,000	163,140
Oglethorpe Power Corp.		
4.500%, 04/01/2047 (C)	80,000	69,003
Pacific Gas & Electric Company		
2.500%, 02/01/2031	430,000	328,921
4.400%, 03/01/2032	65,000	56,416
4.950%, 07/01/2050	685,000	546,569
5.250%, 03/01/2052	55,000	45,301
5.900%, 06/15/2032	195,000	188,504

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
PacifiCorp		
4.125%, 01/15/2049	\$ 33,000	\$ 29,552
4.150%, 02/15/2050	45,000	40,577
Puget Energy, Inc.		
3.650%, 05/15/2025	180,000	176,220
4.100%, 06/15/2030	130,000	120,832
Sempra Energy		
3.400%, 02/01/2028	200,000	188,855
3.800%, 02/01/2038	85,000	71,745
4.000%, 02/01/2048	25,000	20,789
Southern California Edison Company		
2.750%, 02/01/2032	205,000	173,161
2.850%, 08/01/2029	135,000	119,623
4.000%, 04/01/2047	72,000	58,403
4.700%, 06/01/2027	220,000	220,395
The AES Corp.		
3.300%, 07/15/2025 (C)	175,000	164,147
The Southern Company		
2.950%, 07/01/2023	70,000	69,334
Xcel Energy, Inc.		
4.600%, 06/01/2032	85,000	84,299
		6,427,388
TOTAL CORPORATE BONDS (Cost \$75,481,258)		
		\$ 66,402,331
MUNICIPAL BONDS – 2.2%		
Chicago Board of Education (Illinois), GO		
6.038%, 12/01/2029	30,000	30,641
6.138%, 12/01/2039	155,000	157,155
6.319%, 11/01/2029	185,000	193,650
Chicago Transit Authority (Illinois)		
3.912%, 12/01/2040	90,000	82,667
County of Riverside (California)		
2.963%, 02/15/2027	600,000	573,189
3.070%, 02/15/2028	600,000	568,381
Metropolitan Transportation Authority (New York)		
4.750%, 11/15/2045	255,000	257,987
5.175%, 11/15/2049	705,000	727,418
Municipal Electric Authority of Georgia		
6.637%, 04/01/2057	90,000	105,633
New York Transportation Development Corp.		
4.248%, 09/01/2035	715,000	705,826
Philadelphia Authority for Industrial Development (Pennsylvania)		
6.550%, 10/15/2028	675,000	766,955
State Board of Administration Finance Corp. (Florida)		
1.258%, 07/01/2025	510,000	477,160
State of Illinois, GO		
4.950%, 06/01/2023	129,545	130,501
5.000%, 01/01/2023	40,000	40,247
TOTAL MUNICIPAL BONDS (Cost \$4,994,525)		
		\$ 4,817,410
TERM LOANS (E) – 1.4%		
Communication services – 0.1%		
CSC Holdings LLC, 2019 Term Loan B5 (1 month LIBOR + 2.500%) 3.824%, 04/15/2027	96,528	89,510
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%) 4.166%, 02/01/2024	131,829	128,270
		217,780

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (E) (continued)		
Consumer discretionary – 0.3%		
APX Group, Inc., 2021 Term Loan B (Prime rate + 2.500% and 1 month LIBOR + 3.500%) 5.016%, 07/10/2028	\$ 99,250	\$ 93,512
Caesars Resort Collection LLC, 2017 1st Lien Term Loan B (1 month LIBOR + 2.750%) 4.416%, 12/23/2024	106,282	102,141
Carnival Corp., 2021 Incremental Term Loan B (6 month LIBOR + 3.250%) 6.127%, 10/18/2028	99,500	89,053
Golden Entertainment, Inc., 2017 1st Lien Term Loan (1 month LIBOR + 3.000%) 4.630%, 10/21/2024	97,656	94,940
MajorDrive Holdings IV LLC, Term Loan B (3 month LIBOR + 4.000%) 5.625%, 06/01/2028	99,000	88,636
New Red Finance, Inc., Term Loan B4 (1 month LIBOR + 1.750%) 3.416%, 11/19/2026	530	505
Staples, Inc., 7 Year Term Loan (3 month LIBOR + 5.000%) 6.286%, 04/16/2026	124,524	107,955
Verisure Holding AB, 2020 EUR Term Loan B (3 month EURIBOR + 3.250%) 3.250%, 07/20/2026	EUR 115,000	108,887
		685,629
Consumer staples – 0.1%		
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month LIBOR + 3.750%) 6.000%, 10/01/2026	\$ 196,019	180,966
Financials – 0.1%		
Asurion LLC, 2018 Term Loan B6 (1 month LIBOR + 3.125%) 4.791%, 11/03/2023	100,649	96,498
Asurion LLC, 2020 Term Loan B8 (1 month LIBOR + 3.250%) 4.916%, 12/23/2026	98,500	89,081
Sedgwick Claims Management Services, Inc., 2019 Term Loan B (1 month LIBOR + 3.750%) 5.416%, 09/03/2026	130,950	124,239
		309,818
Health care – 0.2%		
Change Healthcare Holdings LLC, 2017 Term Loan B (1 month LIBOR + 2.500%) 4.166%, 03/01/2024	97,449	94,635
Jazz Financing Lux Sarl, USD Term Loan (1 month LIBOR + 3.500%) 5.166%, 05/05/2028	99,000	94,251
Medline Borrower LP, USD Term Loan B (1 month LIBOR + 3.250%) 4.916%, 10/23/2028	174,563	161,606
Pathway Vet Alliance LLC, 2021 Term Loan (3 month LIBOR + 3.750%) 6.000%, 03/31/2027	97,798	90,586
Zelis Payments Buyer, Inc., 2021 Term Loan (1 month LIBOR + 3.500%) 4.562%, 09/30/2026	123,125	115,661
		556,739
Industrials – 0.2%		
American Builders & Contractors Supply Company, Inc., 2019 Term Loan (1 month LIBOR + 2.000%) 3.652%, 01/15/2027	268	253

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (E) (continued)		
Industrials (continued)		
Gardner Denver, Inc., 2020 USD Term Loan B2 (1 month LIBOR + 1.750%) 3.375%, 03/01/2027	\$ 121,521	\$ 116,053
Ingersoll-Rand Services Company, 2020 USD Spingo Term Loan (1 month LIBOR + 1.850%) 3.375%, 03/01/2027	367	350
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 3.250%) 4.874%, 02/06/2026	196,261	184,792
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%) 3.916%, 05/30/2025	95,486	90,537
		391,985
Information technology – 0.3%		
Gainwell Acquisition Corp., Term Loan B (3 month LIBOR + 4.000%) 6.250%, 10/01/2027	98,747	93,192
McAfee Corp., 2022 USD Term Loan B (1 month SOFR + 4.000%) 5.145%, 03/01/2029	105,000	95,288
Peraton Corp., Term Loan B (1 month LIBOR + 3.750%) 5.416%, 02/01/2028	96,961	90,849
Polaris Newco LLC, USD Term Loan B (1 month LIBOR + 4.000%) 5.666%, 06/02/2028	99,250	91,452
UKG, Inc., Term Loan B (1 month LIBOR + 3.750%) 5.416%, 05/04/2026	97,250	91,671
WEX, Inc., 2021 Term Loan (1 month LIBOR + 2.250%) 3.916%, 03/31/2028	118,500	113,687
		576,139
Materials – 0.1%		
Proampac PG Borrower LLC, 2020 Term Loan (1 and 3 month LIBOR + 3.750%) 4.994%, 11/03/2025	99,003	91,379
Quikrete Holdings, Inc., 2021 Term Loan B1 (1 month LIBOR + 3.000%) 4.666%, 06/11/2028	99,750	93,890
		185,269
TOTAL TERM LOANS (Cost \$3,313,877)		\$ 3,104,325
COLLATERALIZED MORTGAGE OBLIGATIONS – 15.1%		
Commercial and residential – 13.0%		
Alternative Loan Trust		
Series 2005-27, Class 2A1 (12 month Treasury Average Index + 1.350%), 1.826%, 08/25/2035 (F)	121,545	104,143
Series 2005-56, Class 5A1 (1 month LIBOR + 0.640%), 2.264%, 11/25/2035 (F)	57,898	47,542
Series 2005-72, Class A1 (1 month LIBOR + 0.540%), 2.164%, 01/25/2036 (F)	15,715	14,253
Series 2005-7CB, Class 2A8 (1 month LIBOR + 0.450%), 2.074%, 03/01/2038 (F)	100,313	81,801
Series 2006-9T1, Class A1, 5.750%, 05/25/2036	65,888	33,519

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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)		
American Home Mortgage Assets Trust Series 2006-3, Class 2A11 (12 month Treasury Average Index + 0.940%), 1.416%, 10/25/2046 (F)	\$ 33,623	\$ 24,888
Series 2007-2, Class A1 (1 month LIBOR + 0.125%), 1.749%, 03/25/2047 (F)	13,509	12,113
Angel Oak Mortgage Trust LLC Series 2019-2, Class A1, 3.628%, 03/25/2049 (C)(G)	7,267	7,241
Series 2020-R1, Class A1, 0.990%, 04/25/2053 (C)(G)	176,011	169,889
Series 2021-2, Class A1, 0.985%, 04/25/2066 (C)(G)	167,987	152,790
Series 2021-4, Class A2, 1.241%, 01/20/2065 (C)(G)	151,576	126,732
Series 2021-5, Class A1, 0.951%, 07/25/2066 (C)(G)	396,249	352,673
Series 2021-6, Class A1, 1.458%, 09/25/2066 (C)(G)	537,708	458,338
Series 2021-8, Class A1, 1.820%, 11/25/2066 (C)(G)	273,756	247,548
Arroyo Mortgage Trust Series 2019-2, Class A1 3.347%, 04/25/2049 (C)(G)	231,092	224,380
BANK		
Series 2017-BNK8, Class XA IO, 0.858%, 11/15/2050	4,369,940	136,261
Series 2019-BN18, Class XA IO, 1.041%, 05/15/2062	1,411,425	66,942
Series 2019-BN20, Class XA IO, 0.955%, 09/15/2062	2,233,955	102,344
Series 2019-BN22, Class XA IO, 0.712%, 11/15/2062	2,435,117	86,188
Series 2019-BN23, Class XA IO, 0.811%, 12/15/2052	1,921,230	78,497
Series 2019-BN24, Class XA IO, 0.761%, 11/15/2062	1,184,176	45,723
Series 2020-BN28, Class XA IO, 1.897%, 03/15/2063	2,591,211	278,377
Series 2021-BN31, Class A4, 2.036%, 02/15/2054	285,000	238,806
BBCMS Mortgage Trust		
Series 2017-C1, Class XA IO, 1.602%, 02/15/2050	3,137,800	159,186
Series 2017-DELC, Class A (1 month LIBOR + 0.850%), 2.174%, 08/15/2036 (C)(F)	949,000	929,302
Series 2022-C16, Class A5, 4.600%, 06/15/2055 (G)	120,000	122,554
BCAP LLC Trust		
Series 2006-AA2, Class A1 (1 month LIBOR + 0.340%) 1.964%, 01/25/2037 (F)	86,662	77,386
Bear Stearns ALT-A Trust		
Series 2005-10, Class 11A1 (1 month LIBOR + 0.500%) 2.124%, 01/25/2036 (F)	88,937	118,819
Bear Stearns Mortgage Funding Trust		
Series 2006-AR3, Class 1A1 (1 month LIBOR + 0.180%) 1.804%, 10/25/2036 (F)	7,440	6,365

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Benchmark Mortgage Trust		
Series 2018-B1, Class XA IO, 0.626%, 01/15/2051	\$ 1,166,791	\$ 25,709
Series 2018-B4, Class XA IO, 0.658%, 07/15/2051	2,293,883	45,290
Series 2018-B8, Class XA IO, 0.804%, 01/15/2052	4,739,472	141,520
Series 2019-B10, Class XA IO, 1.386%, 03/15/2062	3,178,467	182,328
Series 2019-B12, Class XA IO, 1.179%, 08/15/2052	1,076,744	51,211
Series 2020-B18, Class XA IO, 1.916%, 07/15/2053	697,940	61,664
Series 2020-B22, Class XA IO, 1.632%, 01/15/2054	1,162,462	111,606
BINOM Securitization Trust		
Series 2021-INV1, Class A1 2.034%, 06/25/2056 (C)(G)	185,040	169,616
BRAVO Residential Funding Trust		
Series 2021-NQM1, Class A1, 0.941%, 02/25/2049 (C)(G)	120,057	112,213
Series 2021-NQM2, Class A1, 0.970%, 03/25/2060 (C)(G)	127,776	122,476
BX Commercial Mortgage Trust		
Series 2019-XL, Class A (1 month LIBOR + 0.920%) 2.244%, 10/15/2036 (C)(F)	498,581	489,802
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%) 3.874%, 12/15/2037 (C)(F)	355,000	338,059
Century Plaza Towers		
Series 2019-CPT, Class A 2.865%, 11/13/2039 (C)	345,000	301,251
Chase Mortgage Finance Trust		
Series 2005-S3, Class A10 5.500%, 11/25/2035	96,958	78,168
CHL Mortgage Pass-Through Trust		
Series 2005-2, Class 2A3 (1 month LIBOR + 0.680%), 2.304%, 03/25/2035 (F)	25,867	22,742
Series 2007-HY4, Class 1A1, 2.920%, 09/25/2047 (G)	62,868	57,086
CIM Trust		
Series 2017-7, Class A 3.000%, 04/25/2057 (C)(G)	60,409	60,310
Citigroup Commercial Mortgage Trust		
Series 2014-GC23, Class XA IO, 1.058%, 07/10/2047	1,688,001	26,315
Series 2015-GC29, Class XA IO, 1.158%, 04/10/2048	1,589,086	36,479
Series 2016-C3, Class C, 4.230%, 11/15/2049 (G)	288,000	256,998
Citigroup Mortgage Loan Trust		
Series 2019-E, Class A1 (3.228% to 10-25-22, then 6.228% to 10-25-23, then 7.228% thereafter) 3.228%, 11/25/2070 (C)	197,884	197,612
COLT Mortgage Loan Trust		
Series 2021-3, Class A1 0.956%, 09/27/2066 (C)(G)	429,616	371,517

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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)		
Commercial Mortgage Trust (Bank of America Merrill Lynch/Deutsche Bank AG) Series 2013-WWP, Class A2 3.424%, 03/10/2031 (C)	\$ 800,000	\$ 798,710
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2014-CR16, Class A4, 4.051%, 04/10/2047	480,000	478,609
Series 2014-CR17, Class A5, 3.977%, 05/10/2047	390,000	387,065
Commercial Mortgage Trust (Deutsche Bank AG) Series 2013-300P, Class A1, 4.353%, 08/10/2030 (C)	260,000	258,056
Series 2015-3BP, Class A, 3.178%, 02/10/2035 (C)	580,000	553,755
Series 2022-HC, Class A, 2.819%, 01/10/2039 (C)	100,000	91,865
Series 2022-HC, Class D, 4.084%, 01/10/2039 (C)(G)	100,000	90,541
Credit Suisse Mortgage Capital Certificates Series 2017-FHA1, Class A1, 3.250%, 04/25/2047 (C)(G)	171,528	159,583
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (C)(G)	344,291	326,089
Series 2021-NQM8, Class A1, 1.841%, 10/25/2066 (C)(G)	267,857	240,130
Series 2021-RPL4, Class A1, 1.796%, 12/27/2060 (C)(G)	160,256	150,704
Series 2022-NQM1, Class A1, 2.265%, 11/25/2066 (C)(G)	632,763	560,469
CSAIL Commercial Mortgage Trust Series 2015-C1, Class A4, 3.505%, 04/15/2050	15,000	14,733
Series 2015-C2, Class XA IO, 0.863%, 06/15/2057	4,665,790	75,445
Series 2016-C6, Class XA IO, 2.029%, 01/15/2049	1,065,968	58,968
DBJPM Mortgage Trust Series 2020-C9, Class XA IO 1.828%, 09/15/2053	528,382	41,420
Deephaven Residential Mortgage Trust Series 2021-2, Class A1 0.899%, 04/25/2066 (C)(G)	115,785	102,262
Deutsche Alt-A Securities Mortgage Loan Trust Series 2007-AR2, Class A1 (1 month LIBOR + 0.300%) 1.924%, 03/25/2037 (F)	40,573	39,807
Ellington Financial Mortgage Trust Series 2021-2, Class A1, 0.931%, 06/25/2066 (C)(G)	103,221	93,323
Series 2022-1, Class A1, 2.206%, 01/25/2067 (C)(G)	294,592	268,532
GCAT Trust Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (C)(G)	218,126	197,694
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (C)(G)	293,088	257,685
Series 2021-NQM7, Class A1, 1.915%, 08/25/2066 (C)(G)	220,737	209,897

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GMACM Mortgage Loan Trust Series 2006-AR1, Class 1A1 2.900%, 04/19/2036 (G)	\$ 97,538	\$ 77,782
GS Mortgage Securities Trust Series 2014-GC20, Class A5 3.998%, 04/10/2047	395,000	392,362
GSR Mortgage Loan Trust Series 2006-AR1, Class 2A1, 2.867%, 01/25/2036 (G)	3,320	3,287
Series 2007-1F, Class 4A1 (1 month LIBOR + 0.300%), 1.924%, 01/25/2037 (F)	78,322	22,961
HarborView Mortgage Loan Trust Series 2005-8, Class 1A2A (1 month LIBOR + 0.660%), 2.272%, 09/19/2035 (F)	21,140	15,937
Series 2006-12, Class 2A13 (1 month LIBOR + 0.240%), 1.852%, 12/19/2036 (F)	131,935	124,019
Series 2006-12, Class 2A2A (1 month LIBOR + 0.190%), 1.802%, 01/19/2038 (F)	48,333	43,632
Series 2007-7, Class 2A1B (1 month LIBOR + 1.000%), 2.624%, 10/25/2037 (F)	52,639	45,293
Home Re, Ltd. Series 2018-1, Class M1 (1 month LIBOR + 1.600%) 3.224%, 10/25/2028 (C)(F)	43,351	43,275
Imperial Fund Mortgage Trust Series 2021-NQM2, Class A1, 1.073%, 09/25/2056 (C)(G)	221,680	195,345
Series 2022-NQM2, Class A1 (3.638% to 3-25-26, then 4.638% thereafter), 3.638%, 03/25/2067 (C)	619,720	590,315
IndyMac INDA Mortgage Loan Trust Series 2006-AR3, Class 1A1 2.938%, 12/25/2036 (G)	34,740	30,798
JPMBB Commercial Mortgage Securities Trust Series 2014-C19, Class A4 3.997%, 04/15/2047	395,000	393,033
JPMorgan Chase Commercial Mortgage Securities Trust Series 2020-NNN, Class AFX 2.812%, 01/16/2037 (C)	160,000	151,849
JPMorgan Mortgage Trust Series 2006-A3, Class 3A2 3.232%, 05/25/2036 (G)	7,354	6,280
Legacy Mortgage Asset Trust Series 2019-GS6, Class A1 (3.000% to 8-25-22, then 6.000% to 8-25-23, then 7.000% thereafter), 3.000%, 06/25/2059 (C)	294,594	294,090
Series 2019-GS7, Class A1 (3.250% to 10-25-22, then 6.250% to 10-25-23, then 7.250% thereafter), 3.250%, 11/25/2059 (C)	411,630	409,640
Series 2021-GS2, Class A1 (1.750% to 4-25-24, then 4.750% to 4-25-25, then 5.750% thereafter), 1.750%, 04/25/2061 (C)	162,526	152,361

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Legacy Mortgage Asset Trust (continued)		
Series 2021-GS3, Class A1 (1.750% to 5-25-24, then 4.750% to 5-25-25, then 5.750% thereafter), 1.750%, 07/25/2061 (C)	\$ 209,759	\$ 192,932
Series 2021-GS4, Class A1 (1.650% to 8-25-24, then 4.650% to 8-25-25, then 5.650% thereafter), 1.650%, 11/25/2060 (C)	106,555	98,772
Lehman XS Trust		
Series 2006-16N, Class A4A (1 month LIBOR + 0.380%) 2.004%, 11/25/2046 (F)	112,121	99,560
LSTAR Securities Investment Trust		
Series 2019-3, Class A1 (1 month LIBOR + 3.500%), 4.562%, 04/01/2024 (C)(F)	131,718	131,229
Series 2019-4, Class A1 (1 month LIBOR + 3.500%), 4.562%, 05/01/2024 (C)(F)	265,202	264,315
Series 2021-1, Class A (1 month LIBOR + 1.800%), 2.862%, 02/01/2026 (C)(F)	255,645	257,061
Luminant Mortgage Trust		
Series 2006-4, Class A1A (1 month LIBOR + 0.380%) 2.004%, 05/25/2046 (F)	97,546	83,329
MASTR Adjustable Rate Mortgages Trust		
Series 2004-13, Class 3A7 3.052%, 11/21/2034 (G)	13,702	13,044
MFA Trust		
Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (C)(G)	35,751	34,422
Series 2021-NQM1, Class A1, 1.153%, 04/25/2065 (C)(G)	154,308	142,989
Series 2021-NQM2, Class A1, 1.029%, 11/25/2064 (C)(G)	176,930	160,377
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2014-C19, Class XA IO 1.103%, 12/15/2047	960,521	16,711
Morgan Stanley Capital I Trust		
Series 2014-150E, Class A, 3.912%, 09/09/2032 (C)	610,000	592,314
Series 2017-H1, Class XA IO, 1.495%, 06/15/2050	684,430	29,689
New Residential Mortgage Loan Trust		
Series 2016-2A, Class A1, 3.750%, 11/26/2035 (C)(G)	187,668	181,760
Series 2016-4A, Class A1, 3.750%, 11/25/2056 (C)(G)	208,701	201,820
Series 2017-1A, Class A1, 4.000%, 02/25/2057 (C)(G)	371,997	367,139
Series 2017-2A, Class A3, 4.000%, 03/25/2057 (C)(G)	341,924	332,885
Series 2017-3A, Class A1, 4.000%, 04/25/2057 (C)(G)	267,154	261,410
Series 2017-4A, Class A1, 4.000%, 05/25/2057 (C)(G)	184,169	178,582
Series 2017-5A, Class A1 (1 month LIBOR + 1.500%), 3.124%, 06/25/2057 (C)(F)	181,633	181,081

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
New Residential Mortgage		
Loan Trust (continued)		
Series 2017-6A, Class A1, 4.000%, 08/27/2057 (C)(G)	\$ 325,764	\$ 318,751
Series 2018-1A, Class A1A, 4.000%, 12/25/2057 (C)(G)	139,311	135,476
Series 2018-4A, Class A1S (1 month LIBOR + 0.750%), 2.374%, 01/25/2048 (C)(F)	253,698	248,379
Series 2019-5A, Class A1B, 3.500%, 08/25/2059 (C)(G)	201,377	196,636
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(G)	51,774	50,053
Series 2021-NQ2R, Class A1, 0.941%, 10/25/2058 (C)(G)	123,578	119,026
NMLT Trust		
Series 2021-INV1, Class A1 1.185%, 05/25/2056 (C)(G)	459,037	412,161
Oaktown Re II, Ltd.		
Series 2018-1A, Class M1 (1 month LIBOR + 1.550%) 3.174%, 07/25/2028 (C)(F)	93,982	93,714
Oaktown Re III, Ltd.		
Series 2019-1A, Class M1A (1 month LIBOR + 1.400%) 3.024%, 07/25/2029 (C)(F)	32,514	32,504
OBX Trust		
Series 2021-NQM1, Class A1, 1.072%, 02/25/2066 (C)(G)	314,549	295,653
Series 2021-NQM3, Class A1, 1.054%, 07/25/2061 (C)(G)	272,951	235,904
Series 2022-NQM1, Class A1, 2.305%, 11/25/2061 (C)(G)	524,554	457,227
PRPM LLC		
Series 2020-6, Class A1 (2.363% to 11-25-23, then 5.363% to 11-25-24, then 6.363% thereafter), 2.363%, 11/25/2025 (C)	81,882	78,365
Series 2021-3, Class A1 (1.867% to 4-25-24, then 4.867% to 4-25-25, then 5.867% thereafter), 1.867%, 04/25/2026 (C)	228,511	215,435
Series 2021-4, Class A1 (1.867% to 4-25-24, then 4.867% to 4-25-25, then 5.867% thereafter), 1.867%, 04/25/2026 (C)	295,218	276,367
Series 2021-9, Class A1 (2.363% to 10-25-24, then 5.363% to 10-25-25, then 6.363% thereafter), 2.363%, 10/25/2026 (C)(G)	555,302	521,320
RALI Series Trust		
Series 2007-QH7, Class 1A1 (1 month LIBOR + 0.500%) 2.124%, 08/25/2037 (F)	41,885	38,033
Seasoned Credit Risk Transfer Trust		
Series 2019-3, Class MV 3.500%, 10/25/2058	120,513	118,235
SG Commercial Mortgage Securities Trust		
Series 2020-COVE, Class A 2.632%, 03/15/2037 (C)	645,000	610,827

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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)		
SG Residential Mortgage Trust		
Series 2021-1, Class A1		
1.160%, 07/25/2061 (C)(G)	\$ 390,486	\$ 344,912
Starwood Mortgage Residential Trust		
Series 2021-1, Class A1,		
1.219%, 05/25/2065 (C)(G)	257,950	242,307
Series 2021-2, Class A1,		
0.943%, 05/25/2065 (C)(G)	99,310	94,521
Series 2021-6, Class A1,		
1.920%, 11/25/2066 (C)(G)	420,350	370,151
Toorak Mortgage Corp., Ltd.		
Series 2021-1, Class A1 (2.240% to		
1-25-24, then 3.240% thereafter)		
2.240%, 06/25/2024 (C)	330,000	309,192
Towd Point Mortgage Trust		
Series 2017-1, Class A1,		
2.750%, 10/25/2056 (C)(G)	144,889	143,726
Series 2017-2, Class A1,		
2.750%, 04/25/2057 (C)(G)	36,424	36,190
Series 2017-3, Class A1,		
2.750%, 07/25/2057 (C)(G)	92,870	91,861
Series 2017-4, Class A1,		
2.750%, 06/25/2057 (C)(G)	202,681	197,576
Series 2017-5, Class A1 (1 month		
LIBOR + 0.600%),		
2.224%, 02/25/2057 (C)(F)	114,614	113,437
Series 2021-R1, Class A1,		
2.918%, 11/30/2060 (C)(G)	623,772	554,618
Triangle Re, Ltd.		
Series 2021-2, Class M1A (1 month		
LIBOR + 2.050%)		
3.674%, 10/25/2033 (C)(F)	197,244	196,891
Verus Securitization Trust		
Series 2021-2, Class A1,		
1.031%, 02/25/2066 (C)(G)	139,721	126,296
Series 2021-8, Class A1,		
1.824%, 11/25/2066 (C)(G)	291,534	262,450
Series 2021-R2, Class A1,		
0.918%, 02/25/2064 (C)(G)	158,628	153,313
Series 2022-1, Class A1 (2.724% to		
1-25-26, then 3.724% thereafter),		
2.724%, 01/25/2067 (C)	397,983	374,887
WaMu Mortgage Pass-Through		
Certificates		
Series 2007-HY6, Class 1A1		
3.188%, 06/25/2037 (G)	12,568	11,349
Washington Mutual Mortgage		
Pass-Through Certificates		
Series 2006-5, Class 1A1 (1 month		
LIBOR + 0.600%)		
2.224%, 07/25/2036 (F)	19,810	13,093
Wells Fargo Commercial Mortgage Trust		
Series 2014-LC16, Class A5,		
3.817%, 08/15/2050	310,000	305,379
Series 2015-NXS1, Class D,		
4.288%, 05/15/2048 (G)	40,000	36,386
Series 2015-NXS1, Class XA IO,		
1.214%, 05/15/2048	1,469,834	33,870
Series 2015-NXS3, Class XA IO,		
1.031%, 09/15/2057	2,577,270	60,666

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
WF-RBS Commercial Mortgage Trust		
Series 2014-C19, Class A5		
4.101%, 03/15/2047	\$ 304,634	\$ 304,081
		28,864,812
U.S. Government Agency – 2.1%		
Federal Home Loan Mortgage Corp.		
Series 2018-HRP1, Class M2 (1		
month LIBOR + 1.650%),		
3.274%, 04/25/2043 (C)(F)	31,429	31,190
Series 2019-DNA3, Class M2 (1		
month LIBOR + 2.050%),		
3.674%, 07/25/2049 (C)(F)	175,131	174,149
Series 2019-HQA3, Class M2 (1		
month LIBOR + 1.850%),		
3.474%, 09/25/2049 (C)(F)	180,853	177,917
Series 3883, Class PB,		
3.000%, 05/15/2041	65,574	63,700
Series 4139, Class PA,		
2.500%, 11/15/2041	232,033	227,306
Series K064, Class X1 IO,		
0.740%, 03/25/2027	2,171,752	52,905
Series K068, Class A2,		
3.244%, 08/25/2027	545,000	538,497
Series K104, Class X1 IO,		
1.245%, 01/25/2030	1,307,255	88,177
Series K111, Class X1 IO,		
1.680%, 05/25/2030	550,297	54,348
Series K114, Class X1 IO,		
1.212%, 06/25/2030	1,599,891	114,531
Series K121, Class X1 IO,		
1.120%, 10/25/2030	848,837	55,574
Series K122, Class X1 IO,		
0.882%, 11/25/2030	478,928	27,879
Series K124, Class X1 IO,		
0.811%, 12/25/2030	1,908,708	93,738
Federal National Mortgage Association		
Series 2012-18, Class GA,		
2.000%, 12/25/2041	71,982	67,672
Series 2012-21, Class PQ,		
2.000%, 09/25/2041	44,087	41,873
Series 2012-52, Class PA,		
3.500%, 05/25/2042	61,415	60,702
Series 2012-75, Class KC,		
2.500%, 12/25/2041	67,802	66,109
Series 2014-C04, Class 1M2 (1 month		
LIBOR + 4.900%),		
6.524%, 11/25/2024 (F)	45,471	46,755
Series 2015-48, Class QB,		
3.000%, 02/25/2043	102,912	102,062
Series 2015-C04, Class 1M2 (1 month		
LIBOR + 5.700%),		
7.324%, 04/25/2028 (F)	36,367	37,967
Series 2016-11, Class GA,		
2.500%, 03/25/2046	98,984	95,500
Series 2016-38, Class NA ,		
3.000%, 01/25/2046	51,541	50,199
Series 2016-C02, Class 1M2 (1 month		
LIBOR + 6.000%),		
7.624%, 09/25/2028 (F)	17,636	18,327
Series 2016-C07, Class 2M2 (1 month		
LIBOR + 4.350%),		
5.974%, 05/25/2029 (F)	222,994	230,568

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2017-26, Class CG, 3.500%, 07/25/2044	\$ 73,875	\$ 74,099
Series 2017-34, Class JK, 3.000%, 05/25/2047	44,420	43,863
Series 2017-35, Class AH, 3.500%, 04/25/2053	90,937	90,986
Series 2017-49, Class JA, 4.000%, 07/25/2053	79,690	80,419
Series 2017-84, Class KA, 3.500%, 04/25/2053	88,130	88,537
Series 2017-96, Class PA, 3.000%, 12/25/2054	142,418	140,130
Series 2017-C01, Class 1M2 (1 month LIBOR + 3.550%), 5.174%, 07/25/2029 (F)	127,491	130,208
Series 2018-19, Class DC, 3.500%, 05/25/2056	73,976	73,938
Series 2018-23, Class LA, 3.500%, 04/25/2048	136,671	132,485
Series 2018-70, Class HA, 3.500%, 10/25/2056	106,108	106,393
Series 2018-77, Class PA, 3.500%, 02/25/2048	33,007	32,943
Series 2018-80, Class GD, 3.500%, 12/25/2047	63,086	62,041
Series 2019-12, Class HA, 3.500%, 11/25/2057	159,768	159,305
Series 2019-14, Class CA, 3.500%, 04/25/2049	180,099	179,995
Series 2019-45, Class PT, 3.000%, 08/25/2049	153,006	146,219
Series 2019-7, Class CA, 3.500%, 11/25/2057	127,292	127,222
Series 2019-7, Class JA, 3.500%, 03/25/2049	142,071	141,082
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 3.774%, 11/25/2039 (C)(F)	109,512	106,399
Series 2019-R03, Class 1M2 (1 month LIBOR + 2.150%), 3.774%, 09/25/2031 (C)(F)	21,056	21,017
Series 415, Class A3, 3.000%, 11/25/2042	120,216	115,503
Government National Mortgage Association		
Series 2006-38, Class XS IO, 5.741%, 09/16/2035	23,750	1,628
Series 2013-37, Class LG, 2.000%, 01/20/2042	82,616	80,934
		4,652,991
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$35,927,779)		\$ 33,517,803
ASSET BACKED SECURITIES – 10.2%		
AASET Trust		
Series 2020-1A, Class A 3.351%, 01/16/2040 (C)	135,632	113,766
ABFC Trust		
Series 2006-HE1, Class A2D (1 month LIBOR + 0.220%) 1.844%, 01/25/2037 (F)	98,896	60,507

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Affirm Asset Securitization Trust		
Series 2020-Z1, Class A 3.460%, 10/15/2024 (C)	\$ 46,778	\$ 46,591
Series 2020-Z2, Class A 1.900%, 01/15/2025 (C)	107,430	105,623
AmeriCredit Automobile Receivables Trust		
Series 2019-3, Class D 2.580%, 09/18/2025	295,000	287,796
Atrium XII		
Series 12A, Class AR (3 month LIBOR + 0.830%) 1.966%, 04/22/2027 (C)(F)	648,085	638,739
Avant Loans Funding Trust		
Series 2021-REV1, Class A 1.210%, 07/15/2030 (C)	225,000	212,086
Bain Capital Credit CLO, Ltd.		
Series 2017-2A, Class AR2 (3 month LIBOR + 1.180%) 2.364%, 07/25/2034 (C)(F)	650,000	628,611
Bayview Koitere Fund Trust		
Series 2017-RT4, Class A 3.500%, 07/28/2057 (C)(G)	256,161	249,693
Series 2017-SPL3, Class A 4.000%, 11/28/2053 (C)(G)	104,387	103,700
Bayview Mortgage Fund IVc Trust		
Series 2017-RT3, Class A 3.500%, 01/28/2058 (C)(G)	161,198	158,227
Bayview Opportunity Master Fund IVA Trust		
Series 2017-SPL5, Class A 3.500%, 06/28/2057 (C)(G)	120,403	119,534
BlueMountain CLO XXIV, Ltd.		
Series 2019-24A, Class AR (3 month LIBOR + 1.100%) 2.163%, 04/20/2034 (C)(F)	415,000	398,509
BlueMountain CLO XXXI, Ltd.		
Series 2021-31A, Class A1 (3 month LIBOR + 1.150%) 2.194%, 04/19/2034 (C)(F)	810,000	783,187
Buckhorn Park CLO, Ltd.		
Series 2019-1A, Class AR (3 month LIBOR + 1.120%) 2.164%, 07/18/2034 (C)(F)	550,000	532,214
Carvana Auto Receivables Trust		
Series 2022-P2, Class A3 4.130%, 04/12/2027	465,000	461,954
CF Hippolyta Issuer LLC		
Series 2020-1, Class A2 1.990%, 07/15/2060 (C)	130,929	111,881
CIFC Funding, Ltd.		
Series 2017-2A, Class AR (3 month LIBOR + 0.950%) 2.013%, 04/20/2030 (C)(F)	900,000	885,677
Credit Acceptance Auto Loan Trust		
Series 2021-3A, Class A 1.000%, 05/15/2030 (C)	250,000	237,884
Domino's Pizza Master Issuer LLC		
Series 2018-1A, Class A2I 4.116%, 07/25/2048 (C)	357,050	348,110
Series 2019-1A, Class A2 3.668%, 10/25/2049 (C)	171,063	154,830
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (C)	267,300	232,989
Drive Auto Receivables Trust		
Series 2019-4, Class D 2.700%, 02/16/2027	255,000	252,337

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Exeter Automobile Receivables Trust		
Series 2019-4A, Class D	\$ 570,000	\$ 563,022
2.580%, 09/15/2025 (C)		
Series 2020-1A, Class D	170,000	167,692
2.730%, 12/15/2025 (C)		
First Franklin Mortgage Loan Trust		
Series 2006-FF12, Class A5 (1 month LIBOR + 0.310%)	207,769	193,251
1.934%, 09/25/2036 (F)		
FirstKey Homes Trust		
Series 2022-SFR2, Class A	575,000	566,369
4.250%, 07/17/2039 (C)		
FirstKey Homes Trust		
Series 2022-SFR1, Class A	139,881	137,486
4.145%, 05/17/2039 (C)		
Galaxy XXIII CLO, Ltd.		
Series 2017-23A, Class AR (3 month LIBOR + 0.870%)	782,057	768,138
2.054%, 04/24/2029 (C)(F)		
GSAA Home Equity Trust		
Series 2006-10, Class AF3	140,499	43,494
5.985%, 06/25/2036 (G)		
Series 2006-15, Class AF6	356,421	112,938
6.376%, 09/25/2036		
Series 2006-20, Class 2A1A (1 month LIBOR + 0.100%)	198,962	109,924
1.724%, 12/25/2046 (F)		
GSAA Trust		
Series 2005-7, Class AF4	179,910	176,894
5.558%, 05/25/2035		
GSAMP Trust		
Series 2007-FM2, Class A2B (1 month LIBOR + 0.090%)	191,773	122,038
1.714%, 01/25/2037 (F)		
LCM XX LP		
Series 2020-A, Class AR (3 month LIBOR + 1.040%)	194,088	192,542
2.103%, 10/20/2027 (C)(F)		
Madison Park Funding XXXVIII, Ltd.		
Series 2021-38A, Class A (3 month LIBOR + 1.120%)	655,000	632,889
2.164%, 07/17/2034 (C)(F)		
Marlette Funding Trust		
Series 2021-2A, Class B	120,000	115,223
1.060%, 09/15/2031 (C)		
Mercury Financial Credit Card Master Trust		
Series 2021-1A, Class A	250,000	237,863
1.540%, 03/20/2026 (C)		
MF1, Ltd.		
Series 2022-FL8, Class AS (1 month SOFR + 1.750%)	335,000	316,919
2.542%, 02/19/2037 (C)(F)		
MFA LLC		
Series 2021-NPL1, Class A1 (2.363% to 3-25-24, then 5.363% to 3-25-25, then 6.363% thereafter)	409,243	393,929
2.363%, 03/25/2060 (C)		
Navient Private Education Refi Loan Trust		
Series 2021-EA, Class A	192,993	173,088
0.970%, 12/16/2069 (C)		
NRZ Excess Spread-Collateralized Notes		
Series 2020-PLS1, Class A	59,873	56,848
3.844%, 12/25/2025 (C)		

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
OZLM XII, Ltd.		
Series 2015-12A, Class A1R (3 month LIBOR + 1.050%)	\$ 52,383	\$ 52,343
2.336%, 04/30/2027 (C)(F)		
PRET LLC		
Series 2021-NPL3, Class A1 (1.868% to 7-25-24, then 4.868% to 7-25-25, then 5.868% thereafter)	229,330	205,952
1.868%, 07/25/2051 (C)		
Series 2021-NPL6, Class A1 (2.487% to 11-25-24, then 5.487% to 11-25-25, then 6.487% thereafter)	254,345	237,820
2.487%, 07/25/2051 (C)		
Pretium Mortgage Credit Partners LLC		
Series 2022-NPL1, Class A1 (2.981% to 12-25-24, then 5.981% to 12-25-25, then 6.981% thereafter)	590,032	549,297
2.981%, 01/25/2052 (C)		
Progress Residential Trust		
Series 2021-SFR8, Class A	395,000	351,684
1.510%, 10/17/2038 (C)		
Series 2022-SFR3, Class A	135,000	127,396
3.200%, 04/17/2039 (C)		
Series 2022-SFR5, Class A	105,000	104,815
4.451%, 06/17/2039 (C)		
Regatta VI Funding, Ltd.		
Series 2016-1A, Class AR2 (3 month LIBOR + 1.160%)	595,000	569,827
2.223%, 04/20/2034 (C)(F)		
RR 1 LLC		
Series 2017-1A, Class A1AB (3 month LIBOR + 1.150%)	675,000	655,125
2.194%, 07/15/2035 (C)(F)		
RR 16, Ltd.		
Series 2021-16A, Class A1 (3 month LIBOR + 1.110%)	585,000	566,131
2.154%, 07/15/2036 (C)(F)		
Santander Drive Auto Receivables Trust		
Series 2020-4, Class D	75,000	72,277
1.480%, 01/15/2027		
Securitized Asset Backed Receivables LLC Trust		
Series 2006-HE1, Class A2B (1 month LIBOR + 0.180%)	123,538	47,790
1.804%, 07/25/2036 (F)		
Sound Point CLO XXIX, Ltd.		
Series 2021-1A, Class A (3 month LIBOR + 1.070%)	655,000	630,424
2.254%, 04/25/2034 (C)(F)		
Soundview Home Loan Trust		
Series 2007-OPT2, Class 2A3 (1 month LIBOR + 0.180%)	25,343	23,798
1.804%, 07/25/2037 (F)		
Summit Issuer LLC		
Series 2020-1A, Class A2	155,000	140,701
2.290%, 12/20/2050 (C)		
THL Credit Wind River CLO, Ltd.		
Series 2020-1A, Class A (3 month LIBOR + 1.430%)	520,000	508,567
2.493%, 10/20/2033 (C)(F)		
TICP CLO III-2, Ltd.		
Series 2018-3R, Class A (3 month LIBOR + 0.840%)	178,284	176,880
1.903%, 04/20/2028 (C)(F)		
Tricon Residential Trust		
Series 2022-SFR2, Class A	375,000	374,994
4.849%, 07/17/2040 (C)		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
VCAT LLC		
Series 2021-NPL2, Class A1 (2.115% to 3-25-24, then 5.115% to 3-25-25, then 6.115% thereafter) 2.115%, 03/27/2051 (C)	\$ 86,881	\$ 82,808
Series 2021-NPL3, Class A1 (1.743% to 5-25-24, then 4.473% to 5-25-25, then 5.743% thereafter) 1.743%, 05/25/2051 (C)	265,377	248,525
Venture 42 CLO, Ltd. Series 2021-42A, Class A1A (3 month LIBOR + 1.130%) 2.174%, 04/15/2034 (C)(F)	655,000	628,851
Venture 43 CLO, Ltd. Series 2021-43A, Class A1 (3 month LIBOR + 1.240%) 2.284%, 04/15/2034 (C)(F)	260,000	250,956
Venture XXI CLO, Ltd. Series 2015-21A, Class AR (3 month LIBOR + 0.880%) 1.924%, 07/15/2027 (C)(F)	120,297	119,875
Vericrest Opportunity Loan Transferee Series 2021-NP11, Class A1 (1.868% to 7-25-24, then 4.868% to 7-25-25, then 5.868% thereafter) 1.868%, 08/25/2051 (C)	484,614	448,952
Verus Securitization Trust Series 2020-NPL1, Class A1 (3.598% to 9-25-23, then 6.598% to 9-25-24, then 7.598% thereafter) 3.598%, 08/25/2050 (C)	13,947	13,916
VOLT CIII LLC		
Series 2021-CF1, Class A1 (1.992% to 8-25-24, then 4.992% to 8-25-25, then 5.992% thereafter) 1.992%, 08/25/2051 (C)	333,351	311,069
VOLT XCIV LLC		
Series 2021-NPL3, Class A1 (2.240% to 1-25-24, then 5.239% to 1-25-25, then 6.239% thereafter) 2.240%, 02/27/2051 (C)	289,613	275,078
Voya CLO, Ltd.		
Series 2015-1A, Class A1R (3 month LIBOR + 0.900%) 1.944%, 01/18/2029 (C)(F)	581,253	572,815
Wellfleet CLO X, Ltd.		
Series 2019-XA, Class A1R (3 month LIBOR + 1.170%) 2.233%, 07/20/2032 (C)(F)	520,000	503,689
Wendy's Funding LLC		
Series 2018-1A, Class A2II 3.884%, 03/15/2048 (C)	224,425	211,390
Series 2021-1A, Class A2I 2.370%, 06/15/2051 (C)	579,150	490,888
Westlake Automobile Receivables Trust		
Series 2019-3A, Class D 2.720%, 11/15/2024 (C)	420,000	416,639
Series 2020-3A, Class D 1.650%, 02/17/2026 (C)	215,000	206,719
Series 2022-2A, Class B 4.310%, 09/15/2027 (C)	270,000	268,848
Wingstop Funding LLC		
Series 2020-1A, Class A2 2.841%, 12/05/2050 (C)	99,500	88,397
TOTAL ASSET BACKED SECURITIES (Cost \$23,850,145)		\$ 22,740,228

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS – 0.0%		
Energy – 0.0%		
Foresight Energy LLC (H)	895	\$ 15,214
TOTAL COMMON STOCKS (Cost \$119,522)		\$ 15,214
SHORT-TERM INVESTMENTS – 1.5%		
Short-term funds – 0.3%		
John Hancock Collateral Trust, 1.4215% (I)(J)	54,513	544,934
Repurchase agreement – 1.2%		
Deutsche Bank Tri-Party Repurchase Agreement dated 6-30-22 at 1.500% to be repurchased at \$2,700,113 on 7-1-22, collateralized by \$2,688,057 Federal National Mortgage Association, 4.500% due 3-1-49 (valued at \$2,754,000)	\$ 2,700,000	2,700,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,244,930)		\$ 3,244,934
Total Investments (Investment Quality Bond Trust) (Cost \$337,488,302) – 138.7%		\$ 308,587,243
Other assets and liabilities, net – (38.7%)		(86,118,252)
TOTAL NET ASSETS – 100.0%		\$ 222,468,991

Currency Abbreviations

BRL	Brazilian Real
EUR	Euro
MXN	Mexican Peso

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
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.
(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 \$68,784,266 or 30.9% of the fund's net assets as of 6-30-22.
(D)	All or a portion of this security is on loan as of 6-30-22.
(E)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(F)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(G)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(H)	Non-income producing security.
(I)	The rate shown is the annualized seven-day yield as of 6-30-22.
(J)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
10-Year Australian Treasury Bond Futures	12	Long	Sep 2022	\$985,890	\$989,394	\$3,504
10-Year Canada Government Bond Futures	20	Long	Sep 2022	1,917,333	1,926,507	9,174
5-Year U.S. Treasury Note Futures	59	Long	Sep 2022	6,677,730	6,622,750	(54,980)
10-Year U.S. Treasury Note Futures	288	Short	Sep 2022	(34,181,463)	(34,137,000)	44,463
2-Year U.S. Treasury Note Futures	30	Short	Sep 2022	(6,275,547)	(6,300,469)	(24,922)
Euro-Buxl Futures	6	Short	Sep 2022	(1,078,867)	(1,028,416)	50,451
German Euro BUND Futures	44	Short	Sep 2022	(6,916,963)	(6,860,216)	56,747
U.K. Long Gilt Bond Futures	12	Short	Sep 2022	(1,684,949)	(1,664,975)	19,974
U.S. Treasury Long Bond Futures	94	Short	Sep 2022	(13,215,889)	(13,030,750)	185,139
Ultra U.S. Treasury Bond Futures	58	Short	Sep 2022	(9,163,311)	(8,951,938)	211,373
Ultra U.S. Treasury Bond Futures	22	Short	Sep 2022	(2,847,744)	(2,802,250)	45,494
						\$546,417

[^] 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 351,000	USD 371,743	DB	9/21/2022	—	\$(1,866)
EUR 293,000	USD 307,635	JPM	9/21/2022	\$1,123	—
MXN 2,050,000	USD 101,305	BNP	9/21/2022	—	(819)
USD 1,025,290	BRL 5,165,000	CITI	9/21/2022	60,071	—
USD 120,107	EUR 114,000	BNP	7/29/2022	453	—
USD 5,377,975	EUR 5,001,000	BNP	9/21/2022	108,011	—
USD 415,187	EUR 392,000	GSI	9/21/2022	2,104	—
USD 112,216	EUR 106,000	JPM	9/21/2022	515	—
USD 1,177,207	MXN 23,490,000	DB	9/21/2022	25,783	—
USD 580,189	MXN 11,580,000	GSI	9/21/2022	12,565	—
				\$210,625	\$(2,685)

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	4,255,000	USD	Fixed 1.380%	USD Compounded SOFR	Annual	Annual	Dec 2031	\$(23,894)	\$496,227	\$472,333
Centrally cleared	2,185,000	USD	Fixed 1.560%	USD Compounded SOFR	Annual	Annual	Dec 2041	(11,902)	421,319	409,417
Centrally cleared	1,320,000	USD	Fixed 1.560%	USD Compounded SOFR	Annual	Annual	Dec 2051	(8,114)	290,063	281,949
								\$(43,910)	\$1,207,609	\$1,163,699

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.EM.35 Federative Republic of	1,300,000	USD	\$1,300,000	1.000%	Quarterly	Jun 2027	\$74,518	\$55,450	\$129,968
Centrally cleared	Brazil	2,510,000	USD	2,510,000	1.000%	Quarterly	Jun 2027	139,516	68,980	208,496
				\$3,810,000				\$214,034	\$124,430	\$338,464

Derivatives Currency Abbreviations

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

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Investment Quality Bond Trust (continued)

Derivatives Abbreviations

BNP	BNP Paribas
CITI	Citibank, N.A.
DB	Deutsche Bank AG
GSI	Goldman Sachs International
JPM	JPMorgan Chase Bank, N.A.
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 – 5.4%		
U.S. Treasury Bill		
0.347%, 07/21/2022	\$ 48,000,000	\$ 47,990,875
0.597%, 07/28/2022	20,000,000	19,991,168
U.S. Treasury Note		
0.086%, 09/30/2022	4,000,000	4,000,387
0.209%, 11/30/2022	9,800,000	9,796,559
1.619%, (3 month USBMMY - 0.075%), 04/30/2024 (A)	15,000,000	15,001,380
1.822%, (3 month USBMMY + 0.055%), 07/31/2022 (A)	27,763,300	27,763,670
TOTAL U.S. GOVERNMENT (Cost \$124,544,039)		\$ 124,544,039
U.S. GOVERNMENT AGENCY – 73.7%		
Federal Agricultural Mortgage Corp.		
0.076%, 08/26/2022	5,471,000	5,470,362
1.023%, 12/15/2022	18,621,000	18,534,225
1.063%, 10/13/2022	6,734,000	6,717,487
1.390%, 07/14/2022	16,624,000	16,615,776
1.541%, (SOFR + 0.010%), 08/18/2022 (A)	16,528,000	16,528,000
1.546%, (SOFR + 0.015%), 09/30/2022 (A)	13,683,000	13,683,000
1.546%, (SOFR + 0.015%), 10/27/2022 (A)	6,820,000	6,820,000
1.546%, (SOFR + 0.015%), 11/04/2022 (A)	10,000,000	10,000,000
1.551%, (SOFR + 0.020%), 02/14/2023 (A)	27,000,000	27,000,000
1.551%, (SOFR + 0.020%), 02/24/2023 (A)	19,848,000	19,848,000
1.551%, (SOFR + 0.020%), 03/01/2023 (A)	16,299,000	16,299,000
1.551%, (SOFR + 0.020%), 12/02/2022 (A)	12,073,000	12,073,000
1.561%, (SOFR + 0.030%), 04/04/2023 (A)	10,067,000	10,067,000
1.566%, (SOFR + 0.035%), 04/06/2023 (A)	20,070,000	20,070,000
1.572%, (SOFR + 0.040%), 03/17/2023 (A)	13,488,000	13,488,000
1.572%, (SOFR + 0.040%), 03/29/2023 (A)	26,927,000	26,927,000
1.582%, (SOFR + 0.050%), 03/03/2023 (A)	12,000,000	12,000,000
1.596%, 12/02/2022	6,648,000	6,648,000
2.223%, 06/02/2023	6,654,000	6,654,000
2.294%, 06/08/2023	9,953,000	9,953,000
Federal Farm Credit Bank		
0.075%, 09/21/2022	10,000,000	9,999,865
0.087%, 08/10/2022	8,917,000	8,917,426
0.090%, 10/13/2022	1,706,000	1,706,337

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Farm Credit Bank (continued)		
0.119%, 09/22/2022	\$ 1,000,000	\$ 1,000,000
0.210%, 12/15/2022	500,000	499,884
0.284%, 07/13/2022	3,917,000	3,916,894
0.441%, 11/18/2022	2,989,000	2,984,979
0.460%, 07/06/2022	13,464,000	13,463,151
0.842%, 07/07/2022	6,657,000	6,656,079
0.862%, 07/15/2022	9,986,000	9,982,699
0.862%, 07/21/2022	10,645,000	10,639,973
1.035%, 08/11/2022	9,972,000	9,960,416
1.122%, 01/25/2023	607,000	603,142
1.163%, 09/26/2022	23,246,000	23,181,762
1.426%, 07/20/2022	29,935,000	29,912,794
1.472%, 07/27/2022	19,959,000	19,938,098
1.525%, 09/02/2022	2,000,000	1,994,750
1.546%, (SOFR + 0.060%), 10/21/2022 (A)	13,591,000	13,592,901
1.546%, (SOFR + 0.015%), 11/28/2022 (A)	20,215,000	20,215,000
1.551%, (SOFR + 0.015%), 05/02/2023 (A)	36,654,000	36,652,448
1.554%, (SOFR + 0.030%), 06/14/2023 (A)	13,419,000	13,419,941
1.556%, (SOFR + 0.015%), 01/09/2023 (A)	9,000,000	8,999,522
1.556%, (SOFR + 0.025%), 04/19/2023 (A)	10,002,000	10,002,000
1.561%, (SOFR + 0.035%), 04/21/2023 (A)	9,000,000	9,000,367
1.561%, (SOFR + 0.030%), 04/06/2023 (A)	16,846,000	16,846,000
1.566%, (SOFR + 0.040%), 01/25/2024 (A)	9,965,000	9,965,778
1.572%, (SOFR + 0.040%), 02/09/2024 (A)	3,262,000	3,262,000
1.572%, (SOFR + 0.040%), 02/05/2024 (A)	3,338,000	3,338,000
1.572%, (SOFR + 0.040%), 03/18/2024 (A)	13,297,000	13,297,000
1.590%, (SOFR + 0.135%), 11/06/2023 (A)	300,000	300,308
1.590%, (U.S. Federal Funds Effective Rate + 0.360%), 12/12/2022 (A)	20,198,000	20,231,942
1.597%, (U.S. Federal Funds Effective Rate - 0.005%), 06/22/2023 (A)	6,923,000	6,923,000
1.597%, (Prime rate - 3.180%), 10/19/2022 (A)	10,599,000	10,598,838
1.597%, (U.S. Federal Funds Effective Rate - 0.015%), 05/15/2023 (A)	4,000,000	3,999,646
1.597%, (Prime rate - 3.180%), 07/27/2022 (A)	9,000,000	8,999,967
1.600%, (3 month USBMMY + 0.420%), 11/07/2022 (A)	6,000,000	6,012,805

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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)		
1.607%, (SOFR + 0.075%), 11/03/2022 (A)	\$ 7,362,000	\$ 7,362,000
1.610%, (Prime rate - 3.170%), 01/26/2023 (A)	16,308,000	16,307,292
1.612%, (SOFR + 0.080%), 10/14/2022 (A)	5,862,000	5,862,000
1.612%, (Prime rate - 3.160%), 05/18/2023 (A)	6,969,000	6,969,000
1.612%, (Prime rate - 3.160%), 07/26/2023 (A)	13,378,000	13,378,000
1.617%, (Prime rate - 3.155%), 09/08/2023 (A)	8,500,000	8,500,000
1.622%, (SOFR + 0.090%), 09/23/2022 (A)	7,315,000	7,315,000
1.627%, (Prime rate - 3.145%), 03/15/2023 (A)	7,011,000	7,011,000
1.630%, (SOFR + 0.320%), 06/09/2023 (A)	154,000	154,322
1.653%, (Prime rate - 3.120%), 01/08/2024 (A)	10,717,000	10,717,000
1.678%, (SOFR + 0.145%), 07/28/2022 (A)	3,670,000	3,670,000
1.695%, (SOFR + 0.110%), 02/14/2025 (A)	4,019,000	4,013,698
1.699%, 12/14/2022	758,000	752,613
1.731%, 01/18/2023	12,264,000	12,148,230
1.805%, (3 month USBMMY + 0.023%), 07/17/2023 (A)	10,000,000	10,000,000
1.813%, (3 month USBMMY + 0.025%), 06/15/2023 (A)	10,277,000	10,276,501
1.838%, (3 month USBMMY + 0.055%), 01/31/2023 (A)	14,262,000	14,262,000
1.980%, 02/21/2023	4,506,000	4,490,849
2.059%, 03/27/2023	5,308,000	5,228,675
Federal Home Loan Bank		
0.074%, 08/19/2022	3,415,000	3,414,986
0.194%, 09/30/2022	1,325,000	1,341,961
0.208%, 12/02/2022	9,000,000	9,000,000
0.321%, 08/24/2022	35,000	35,088
0.789%, 08/09/2022	4,040,000	4,036,896
0.835%, 07/06/2022	43,229,000	43,224,054
0.837%, 07/01/2022	13,432,000	13,432,000
0.852%, 07/08/2022	16,623,000	16,620,285
0.852%, 07/25/2022	19,906,000	19,894,853
0.894%, 07/15/2022	18,443,000	18,436,678
0.902%, 07/20/2022	26,589,000	26,576,524
0.974%, 07/21/2022	13,289,000	13,281,913
1.077%, 08/15/2022	19,135,000	19,109,622
1.103%, 08/17/2022	20,136,000	20,107,454
1.155%, 08/19/2022	6,646,000	6,635,715
1.220%, 09/19/2022	6,656,000	6,638,251
1.229%, 08/24/2022	16,622,000	16,591,831
1.263%, 07/29/2022	66,458,000	66,391,657
1.339%, 07/12/2022	46,529,000	46,510,235
1.380%, 08/10/2022	52,589,000	52,509,566
1.394%, 05/03/2023	19,950,000	19,950,000
1.394%, 08/12/2022	27,819,000	27,774,454
1.395%, 10/21/2022	16,616,000	16,545,179
1.421%, 07/28/2022	19,931,000	19,910,072
1.531%, (SOFR), 08/19/2022 (A)	26,615,000	26,615,000
1.536%, (SOFR + 0.005%), 09/16/2022 (A)	16,330,000	16,330,000
1.536%, (SOFR + 0.005%), 07/18/2022 (A)	16,530,000	16,530,000
1.536%, (SOFR + 0.005%), 07/25/2022 (A)	16,290,000	16,290,000

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Home Loan Bank (continued)		
1.536%, (SOFR + 0.010%), 07/26/2022 (A)	\$ 26,845,000	\$ 26,845,093
1.541%, (SOFR + 0.010%), 10/17/2022 (A)	6,825,000	6,825,000
1.541%, (SOFR + 0.010%), 08/02/2022 (A)	19,995,000	19,995,000
1.541%, (SOFR + 0.010%), 08/17/2022 (A)	15,000,000	15,000,000
1.541%, (SOFR + 0.010%), 09/16/2022 (A)	19,785,000	19,785,000
1.551%, (SOFR + 0.020%), 12/16/2022 (A)	19,950,000	19,950,000
1.564%, 08/03/2022	26,605,000	26,567,443
1.572%, 12/06/2022	11,317,000	11,240,510
1.592%, (SOFR + 0.060%), 11/23/2022 (A)	18,370,000	18,370,000
1.592%, (SOFR + 0.060%), 12/16/2022 (A)	10,000,000	10,000,000
1.622%, (SOFR + 0.090%), 08/12/2022 (A)	14,640,000	14,640,000
1.624%, 12/20/2022	9,976,000	9,900,216
1.952%, 03/02/2023	1,995,000	1,969,309
1.969%, 04/28/2023	2,095,000	2,064,586
1.984%, 05/23/2023	16,645,000	16,645,000
1.984%, 06/14/2023	6,965,000	6,965,000
2.194%, 06/16/2023	9,980,000	9,980,000
2.513%, 06/29/2023	9,935,000	9,935,000
2.673%, 06/29/2023	10,030,000	10,030,000
Federal Home Loan Mortgage Corp.		
0.312%, 11/23/2022	2,000,000	1,999,020
0.454%, 11/18/2022	26,000	25,973
1.250%, 09/06/2022	4,740,000	4,729,149
1.262%, 07/25/2022	40,378,000	40,347,874
2.217%, 04/20/2023	3,907,000	3,850,230
Federal National Mortgage Association		
0.072%, 09/06/2022	4,081,000	4,090,672
0.134%, 09/29/2022	1,643,000	1,648,522
1.015%, 08/10/2022	13,302,000	13,287,220
1.321%, 09/07/2022	5,276,000	5,263,044
1.541%, (SOFR + 0.180%), 07/08/2022 (A)	1,250,000	1,250,041
2.275%, 05/22/2023	11,497,000	11,293,694
2.546%, 01/19/2023	2,486,000	2,484,123
TOTAL U.S. GOVERNMENT AGENCY (Cost \$1,705,540,735)		\$ 1,705,540,735
REPURCHASE AGREEMENT – 21.5%		
Repurchase Agreement with State Street Corp. dated 6-30-22 at 1.440% to be repurchased at \$498,319,932 on 7-1-22, collateralized by \$567,713,900 U.S. Treasury Notes, 1.250% due 5-31-28 to 6-30-28 (valued at \$508,266,030)		
	498,300,000	498,300,000
TOTAL REPURCHASE AGREEMENT (Cost \$498,300,000)		\$ 498,300,000
Total Investments (Money Market Trust) (Cost \$2,328,384,774) – 100.6%		\$ 2,328,384,774
Other assets and liabilities, net – (0.6%)		(13,278,209)
TOTAL NET ASSETS – 100.0%		\$ 2,315,106,565
Security Abbreviations and Legend		
SOFR	Secured Overnight Financing Rate	
USBMMY	U.S. Treasury Bill Money Market Yield	
(A)	Variable rate obligation.	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 6.2%		
U.S. Government - 0.7%		
U.S. Treasury Inflation Protected Securities		
0.250%, 02/15/2050	\$ 1,506,575	\$ 1,188,841
U.S. Government Agency - 5.5%		
Federal National Mortgage Association		
2.500%, TBA (A)	9,613,000	8,634,073
4.000%, TBA (A)	675,000	665,402
		9,299,475
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$10,637,375)		\$ 10,488,316
FOREIGN GOVERNMENT OBLIGATIONS - 41.0%		
Angola - 0.1%		
Republic of Angola		
8.000%, 11/26/2029	200,000	157,839
Argentina - 0.2%		
Republic of Argentina		
1.000%, 07/09/2029	34,723	7,896
(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	330,478
		338,374
Australia - 1.7%		
Commonwealth of Australia		
0.250%, 11/21/2032	AUD 1,750,000	1,107,474
1.750%, 06/21/2051	1,870,000	819,618
Commonwealth of Australia, Inflation Linked Bond		
1.439%, 08/21/2040	1,370,000	1,014,911
		2,942,003
Benin - 0.1%		
Republic of Benin		
4.950%, 01/22/2035	EUR 390,000	265,520
Brazil - 5.0%		
Federative Republic of Brazil		
5.625%, 01/07/2041	\$ 145,000	115,519
10.000%, 01/01/2025 to 01/01/2029	BRL 49,907,000	8,411,265
		8,526,784
Bulgaria - 0.1%		
Republic of Bulgaria		
3.125%, 03/26/2035	EUR 230,000	210,008
Canada - 2.4%		
Government of Canada		
4.000%, 12/01/2031	CAD 2,130,622	2,083,249
Province of Ontario		
2.000%, 12/01/2036	2,710,801	2,040,935
		4,124,184
Chile - 0.4%		
Republic of Chile		
0.830%, 07/02/2031	EUR 135,000	110,290
1.900%, 09/01/2030 (B)	CLP 330,568,579	361,874
5.000%, 03/01/2035	150,000,000	146,699
		618,863
Colombia - 0.8%		
Republic of Colombia		
3.875%, 02/15/2061	\$ 845,000	484,734
6.000%, 04/28/2028	COP 1,667,200,000	314,834
6.125%, 01/18/2041	\$ 645,000	504,966
		1,304,534

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Czech Republic - 0.2%		
Czech Republic		
2.500%, 08/25/2028	CZK 9,720,000	\$ 353,380
Dominican Republic - 0.2%		
Government of Dominican Republic		
4.875%, 09/23/2032	\$ 410,000	315,469
6.500%, 02/15/2048	155,000	117,025
		432,494
Egypt - 0.2%		
Arab Republic of Egypt		
7.903%, 02/21/2048	420,000	239,373
14.563%, 07/06/2026	EGP 2,360,000	120,507
		359,880
El Salvador - 0.0%		
Republic of El Salvador		
7.125%, 01/20/2050	\$ 155,000	48,061
Gabon - 0.3%		
Republic of Gabon		
6.625%, 02/06/2031	400,000	295,394
7.000%, 11/24/2031	200,000	145,852
		441,246
Ghana - 0.1%		
Republic of Ghana		
10.750%, 10/14/2030	250,000	214,600
Greece - 0.4%		
Republic of Greece, GDP-Linked Note		
4.404%, 10/15/2042 (C)*	EUR 409,185,000	643,208
Guatemala - 0.1%		
Republic of Guatemala		
4.650%, 10/07/2041	\$ 200,000	145,312
Hungary - 0.7%		
Republic of Hungary		
1.625%, 04/28/2032	EUR 520,000	415,720
1.750%, 06/05/2035	130,000	96,188
3.125%, 09/21/2051	\$ 200,000	131,796
5.500%, 06/16/2034 (D)	320,000	310,016
6.750%, 10/22/2028	HUF 90,530,000	221,925
		1,175,645
Iceland - 2.1%		
Republic of Iceland		
5.000%, 11/15/2028	ISK 433,770,000	3,143,370
6.500%, 01/24/2031	46,170,000	369,004
		3,512,374
Indonesia - 0.9%		
Republic of Indonesia		
1.100%, 03/12/2033	EUR 380,000	282,696
1.400%, 10/30/2031	380,000	306,835
7.000%, 09/15/2030	IDR 11,969,000,000	796,193
7.750%, 01/17/2038	\$ 100,000	118,464
8.500%, 10/12/2035	100,000	125,733
		1,629,921
Ivory Coast - 0.4%		
Republic of Ivory Coast		
4.875%, 01/30/2032	EUR 260,000	195,096
5.250%, 03/22/2030	145,000	118,398
6.125%, 06/15/2033	\$ 400,000	313,304
		626,798
Japan - 3.7%		
Government of Japan, CPI Linked Bond		
0.100%, 03/10/2028	JPY 805,986,688	6,249,248

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Macedonia - 0.6%			
Republic of North Macedonia			
1.625%, 03/10/2028	EUR	1,235,000	\$ 966,794
2.750%, 01/18/2025		150,000	141,885
			<u>1,108,679</u>
Malaysia - 0.4%			
Government of Malaysia			
3.885%, 08/15/2029	MYR	3,440,000	762,643
Mexico - 2.4%			
Government of Mexico			
1.450%, 10/25/2033	EUR	435,000	310,439
2.125%, 10/25/2051		425,000	243,589
2.750%, 11/27/2031	MXN	34,229,586	1,544,591
3.375%, 02/23/2031	EUR	235,000	219,685
3.625%, 04/09/2029		550,000	542,805
4.000%, 11/15/2040	MXN	5,069,141	250,393
5.625%, 03/19/2114	GBP	100,000	95,216
8.500%, 05/31/2029	MXN	16,632,300	802,671
			<u>4,009,389</u>
Morocco - 0.4%			
Kingdom of Morocco			
2.000%, 09/30/2030	EUR	485,000	367,596
4.000%, 12/15/2050	\$	200,000	116,758
5.500%, 12/11/2042		200,000	145,407
			<u>629,761</u>
New Zealand - 2.7%			
Government of New Zealand			
1.500%, 05/15/2031	NZD	690,000	357,420
2.750%, 05/15/2051		2,975,000	1,420,914
Government of New Zealand, Inflation Linked Bond			
2.887%, 09/20/2040		1,390,000	1,021,904
2.917%, 09/20/2035		1,025,000	770,674
3.555%, 09/20/2030		1,280,000	1,020,425
			<u>4,591,337</u>
Nigeria - 0.1%			
Republic of Nigeria			
7.143%, 02/23/2030	\$	200,000	141,335
Pakistan - 0.1%			
Republic of Pakistan			
8.875%, 04/08/2051		200,000	119,000
Panama - 0.3%			
Republic of Panama			
4.500%, 04/01/2056		560,000	443,721
Paraguay - 0.3%			
Republic of Paraguay			
5.600%, 03/13/2048		600,000	472,825
Peru - 1.5%			
Republic of Peru			
1.250%, 03/11/2033	EUR	245,000	181,167
1.950%, 11/17/2036		165,000	118,269
3.750%, 03/01/2030		115,000	117,489
6.150%, 08/12/2032	PEN	2,105,000	485,735
6.950%, 08/12/2031		6,385,000	1,582,602
			<u>2,485,262</u>
Philippines - 0.0%			
Republic of the Philippines			
1.750%, 04/28/2041	EUR	100,000	70,510
Poland - 0.3%			
Republic of Poland			
2.500%, 07/25/2026	PLN	2,870,000	531,839

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Romania - 0.8%			
Republic of Romania			
2.625%, 12/02/2040 (D)	EUR	540,000	\$ 328,246
3.875%, 10/29/2035		520,000	402,762
4.625%, 04/03/2049		205,000	151,741
4.850%, 04/22/2026	RON	1,170,000	217,579
6.000%, 05/25/2034 (D)	\$	170,000	153,578
6.125%, 01/22/2044		130,000	113,919
			<u>1,367,825</u>
Russia - 0.5%			
Government of Russia			
6.900%, 05/23/2029 (E)(F)	RUB	240,040,000	436,436
7.050%, 01/19/2028 (E)(F)		133,185,000	242,155
7.650%, 04/10/2030 (E)(F)		84,090,000	152,891
			<u>831,482</u>
Serbia - 0.5%			
Republic of Serbia			
1.650%, 03/03/2033	EUR	660,000	432,015
2.050%, 09/23/2036		605,000	371,295
			<u>803,310</u>
South Africa - 0.5%			
Republic of South Africa			
7.300%, 04/20/2052	\$	200,000	159,500
8.250%, 03/31/2032	ZAR	13,680,000	705,256
			<u>864,756</u>
South Korea - 8.0%			
Republic of Korea			
1.375%, 12/10/2029	KRW	10,736,980,000	7,047,275
2.375%, 12/10/2031		4,545,430,000	3,138,782
Republic of Korea, Inflation Linked Bond			
1.125%, 06/10/2030		2,972,600,311	2,202,502
1.750%, 06/10/2028		1,544,630,006	1,189,682
			<u>13,578,241</u>
Spain - 0.8%			
Kingdom of Spain			
1.000%, 10/31/2050 (D)	EUR	2,020,000	1,302,043
Sri Lanka - 0.0%			
Democratic Socialist Republic of Sri Lanka			
6.750%, 04/18/2028 (E)	\$	200,000	63,049
Thailand - 0.5%			
Kingdom of Thailand			
1.600%, 12/17/2029	THB	30,080,000	787,208
Turkey - 0.0%			
Republic of Turkey			
8.000%, 03/12/2025	TRY	2,010,000	88,209
United Arab Emirates - 0.1%			
Government of Abu Dhabi			
4.951%, 07/07/2052 (A)	\$	200,000	203,309
Uruguay - 0.0%			
Republic of Uruguay			
8.500%, 03/15/2028	UYU	670,000	15,320
Uzbekistan - 0.1%			
Republic of Uzbekistan			
3.900%, 10/19/2031	\$	200,000	141,894
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$93,204,273)			\$ 69,733,223
CORPORATE BONDS - 21.3%			
Australia - 0.0%			
FMG Resources Proprietary, Ltd.			
5.875%, 04/15/2030 (D)		40,000	36,000

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Austria - 0.1%		
Klabin Austria GmbH 7.000%, 04/03/2049 (D)	\$ 200,000	\$ 181,623
Azerbaijan - 0.1%		
State Oil Company of the Azerbaijan Republic 6.950%, 03/18/2030	200,000	189,353
Bermuda - 0.1%		
Athene Holding, Ltd. 3.500%, 01/15/2031	135,000	114,290
Canada - 0.3%		
Canadian Pacific Railway Company 3.000%, 12/02/2041	20,000	15,644
3.100%, 12/02/2051	20,000	14,731
goeasy, Ltd. 4.375%, 05/01/2026 (D)	40,000	33,800
NOVA Chemicals Corp. 4.250%, 05/15/2029 (D)	95,000	74,226
The Bank of Nova Scotia (4.588% to 5-4-32, then 5 Year CMT + 2.050%) 05/04/2037	370,000	340,163
		478,564
Chile - 0.2%		
Empresa de los Ferrocarriles del Estado 3.830%, 09/14/2061 (D)	245,000	169,050
VTR Comunicaciones SpA 4.375%, 04/15/2029	200,000	136,768
		305,818
China - 0.1%		
KWG Group Holdings, Ltd. 6.000%, 08/14/2026	630,000	113,558
Times China Holdings, Ltd. 5.750%, 01/14/2027	200,000	26,023
Yuzhou Group Holdings Company, Ltd. 6.350%, 01/13/2027	200,000	13,000
7.375%, 01/13/2026	200,000	13,000
		165,581
Finland - 0.0%		
Nokia OYJ 6.625%, 05/15/2039	25,000	24,719
France - 1.3%		
BNP Paribas SA (2.159% to 9-15-28, then SOFR + 1.218%) 09/15/2029 (D)	200,000	167,289
Chrome Bidco SASU 3.500%, 05/31/2028	EUR 205,000	175,720
Credit Agricole Assurances SA 2.000%, 07/17/2030	100,000	85,115
Electricite de France SA 4.875%, 09/21/2038 (D)	\$ 200,000	177,046
Faurecia SE 3.750%, 06/15/2028	EUR 170,000	137,232
Societe Generale SA (2.889% to 6-9-31, then 1 Year CMT + 1.300%) 06/09/2032 (D)	\$ 200,000	159,701
Societe Generale SA (4.027% to 1-21-42, then 1 Year CMT + 1.900%) 01/21/2043 (D)	210,000	148,513
Societe Generale SA (6.221% to 6-15-32, then 1 Year CMT + 3.200%) 06/15/2033 (D)	245,000	233,842

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
France (continued)		
TotalEnergies SE (2.125% to 1-25-33, then 5 Year Euro Swap Rate + 2.513% to 1-25-53, then 5 Year Euro Swap Rate + 3.263%) 07/25/2032 (G)	EUR 470,000	\$ 339,235
Valeo 1.000%, 08/03/2028	700,000	571,077
		2,194,770
Germany - 0.5%		
Allianz SE (2.121% to 7-8-30, then 3 month EURIBOR + 3.280%) 07/08/2050	100,000	87,786
Deutsche Bank AG (2.311% to 11-16-26, then SOFR + 1.219%) 11/16/2027	\$ 150,000	129,447
Deutsche Bank AG (3.742% to 10-7-31, then SOFR + 2.257%) 01/07/2033	200,000	145,581
Deutsche Bank AG (5.625% to 5-19-26, then 5 Year Euro Swap Rate + 6.000%) 05/19/2031	EUR 100,000	104,617
Hannover Rueck SE (1.750% to 7-8-30, then 3 month EURIBOR + 3.000%) 10/08/2040	100,000	84,926
Muenchener Rueckversicherungs-Gesellschaft AG (1.250% to 5-26-31, then 3 month EURIBOR + 2.550%) 05/26/2041	200,000	160,631
Vonovia SE 1.500%, 06/14/2041	200,000	119,330
		832,318
Indonesia - 0.1%		
Perusahaan Perseroan Persero PT Perusahaan Listrik Negara 6.250%, 01/25/2049	\$ 200,000	183,500
Italy - 0.3%		
Assicurazioni Generali SpA 2.429%, 07/14/2031	EUR 600,000	491,067
Japan - 0.2%		
Nissan Motor Company, Ltd. 4.810%, 09/17/2030 (D)	\$ 200,000	177,666
Rakuten Group, Inc. (4.250% to 4-22-27, then 5 Year Euro Swap Rate + 4.740%) 04/22/2027 (G)	EUR 200,000	144,644
		322,310
Luxembourg - 0.2%		
Arena Luxembourg Finance Sarl 1.875%, 02/01/2028	100,000	75,255
Dana Financing Luxembourg Sarl 3.000%, 07/15/2029	100,000	74,520
EIG Pearl Holdings Sarl 4.387%, 11/30/2046	\$ 200,000	156,974
Trinseo Materials Operating SCA 5.125%, 04/01/2029 (D)	105,000	75,086
		381,835
Macau - 0.2%		
Wynn Macau, Ltd. 5.625%, 08/26/2028 (D)	330,000	203,280
5.625%, 08/26/2028	200,000	123,200
		326,480

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Malta - 0.1%		
VistaJet Malta Finance PLC 6.375%, 02/01/2030 (D)	\$ 122,000	\$ 97,600
7.875%, 05/01/2027 (D)	55,000	48,538
		146,138
Mexico - 0.1%		
Petroleos Mexicanos 7.690%, 01/23/2050	145,000	98,571
Unifin Financiera SAB de CV 8.375%, 01/27/2028	205,000	133,405
		231,976
Netherlands - 1.2%		
ABN AMRO Bank NV (3.324% to 3-13-32, then 5 Year CMT + 1.900%) 03/13/2037 (D)	400,000	320,442
Achmea BV (2.500% to 6-24-29, then 5 Year Euro Swap Rate + 3.650%) 09/24/2039	EUR 135,000	114,038
Enel Finance International NV 5.500%, 06/15/2052 (D)	\$ 300,000	284,941
Energizer Gamma Acquisition BV 3.500%, 06/30/2029	EUR 100,000	74,246
JAB Holdings BV 4.500%, 04/08/2052 (D)	\$ 250,000	192,896
Teva Pharmaceutical Finance Netherlands II BV 4.375%, 05/09/2030	EUR 675,000	561,131
Upjohn Finance BV 1.908%, 06/23/2032	145,000	112,301
Wintershall Dea Finance 2 BV (3.000% to 1-20-29, then 5 Year Euro Swap Rate + 3.319% to 1-20-34, then 5 Year Euro Swap Rate + 4.319%) 07/20/2028 (G)	200,000	135,416
ZF Europe Finance BV 3.000%, 10/23/2029	200,000	152,634
		1,948,045
Norway - 0.1%		
DNB Bank ASA (1.605% to 3-30-27, then 1 Year CMT + 0.680%) 03/30/2028 (D)	\$ 200,000	173,538
Equinor ASA 3.000%, 04/06/2027	47,000	45,226
		218,764
Spain - 0.2%		
Banco de Credito Social Cooperativo SA (1.750% to 3-9-27, then 1 Year Euro Swap Rate + 2.150%) 03/09/2028	EUR 200,000	168,525
Cellnex Finance Company SA 2.000%, 09/15/2032	200,000	141,641
		310,166
Switzerland - 0.1%		
Credit Suisse Group AG (4.194% to 4-1-30, then SOFR + 3.730%) 04/01/2031 (D)	\$ 250,000	221,210
United Arab Emirates - 0.1%		
Galaxy Pipeline Assets Bidco, Ltd. 2.625%, 03/31/2036	200,000	161,597
United Kingdom - 0.7%		
Anglo American Capital PLC 2.625%, 09/10/2030 (D)	330,000	271,566
5.625%, 04/01/2030 (D)	400,000	402,797

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United Kingdom (continued)		
Aon Global, Ltd. 3.875%, 12/15/2025	\$ 40,000	\$ 39,559
AstraZeneca PLC 4.375%, 08/17/2048	26,000	25,486
BAT International Finance PLC 2.250%, 01/16/2030	EUR 100,000	87,437
HSBC Holdings PLC (4.762% to 3-29-32, then SOFR + 2.530%) 03/29/2033	\$ 210,000	193,697
Vodafone Group PLC (3.000% to 8-27-30, then 5 Year Euro Swap Rate + 3.227% to 8-27-50, then 5 Year Euro Swap Rate + 4.227%) 08/27/2080	EUR 155,000	122,929
		1,143,471
United States - 15.0%		
AbbVie, Inc. 4.250%, 11/21/2049	\$ 35,000	31,071
Adams Homes, Inc. 7.500%, 02/15/2025 (D)	10,000	9,275
Advanced Drainage Systems, Inc. 6.375%, 06/15/2030 (D)	40,000	39,063
Alliant Holdings Intermediate LLC 6.750%, 10/15/2027 (D)	61,000	54,130
Allison Transmission, Inc. 3.750%, 01/30/2031 (D)	115,000	92,166
Altria Group, Inc. 3.125%, 06/15/2031	EUR 100,000	91,651
Amazon.com, Inc. 3.950%, 04/13/2052	\$ 15,000	13,859
American Airlines, Inc. 5.750%, 04/20/2029 (D)	75,000	64,032
American International Group, Inc. 4.750%, 04/01/2048	95,000	88,852
American International Group, Inc. (5.750% to 4-1-28, then 3 month LIBOR + 2.868%) 04/01/2048	130,000	116,162
American Tower Corp. 1.000%, 01/15/2032	EUR 100,000	77,621
Anheuser-Busch Companies LLC 4.900%, 02/01/2046	\$ 17,000	15,978
Anheuser-Busch InBev Worldwide, Inc. 4.600%, 04/15/2048	19,000	17,058
Antero Midstream Partners LP 5.375%, 06/15/2029 (D)	62,000	55,525
5.750%, 03/01/2027 (D)	30,000	27,900
Antero Resources Corp. 5.375%, 03/01/2030 (D)	60,000	54,709
8.375%, 07/15/2026 (D)	36,000	38,070
Aon Corp. 3.900%, 02/28/2052	10,000	8,179
Apache Corp. 4.375%, 10/15/2028	58,000	52,780
Apple, Inc. 1.200%, 02/08/2028	47,000	41,115
2.650%, 05/11/2050	22,000	16,227
APX Group, Inc. 5.750%, 07/15/2029 (D)	109,000	84,387
Aramark Services, Inc. 6.375%, 05/01/2025 (D)	170,000	166,320
Arches Buyer, Inc. 6.125%, 12/01/2028 (D)	140,000	114,186
Asbury Automotive Group, Inc. 5.000%, 02/15/2032 (D)	110,000	89,925

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Ashton Woods USA LLC 4.625%, 04/01/2030 (D)	\$ 225,000	\$ 165,229
AssuredPartners, Inc. 5.625%, 01/15/2029 (D)	20,000	16,011
At Home Group, Inc. 4.875%, 07/15/2028 (D)	105,000	76,125
AT&T, Inc. 2.300%, 06/01/2027	32,000	29,211
3.500%, 06/01/2041 to 09/15/2053	72,000	55,466
Aviation Capital Group LLC 1.950%, 01/30/2026 (D)	95,000	82,632
B&G Foods, Inc. 5.250%, 09/15/2027	190,000	164,339
Bank of America Corp. (2.087% to 6-14-28, then SOFR + 1.060%) 06/14/2029	44,000	37,681
Bank of America Corp. (2.482% to 9-21-31, then 5 Year CMT + 1.200%) 09/21/2036	125,000	96,949
Bank of America Corp. (2.676% to 6-19-40, then SOFR + 1.930%) 06/19/2041	60,000	43,171
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	27,000	26,126
Bank of America Corp. (3.846% to 3-8-32, then 5 Year CMT + 2.000%) 03/08/2037	175,000	151,261
Bank of America Corp. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%) 01/20/2048	27,000	24,682
BAT Capital Corp. 3.222%, 08/15/2024	47,000	45,684
4.906%, 04/02/2030	46,000	42,724
Bausch Health Companies, Inc. 4.875%, 06/01/2028 (D)	62,000	48,517
5.250%, 01/30/2030 (D)	185,000	95,586
Baxter International, Inc. 2.272%, 12/01/2028	45,000	39,408
BCPE Ulysses Intermediate, Inc. (7.750% Cash or 8.500% PIK) 7.750%, 04/01/2027 (D)	59,000	36,285
Belo Corp. 7.250%, 09/15/2027	98,000	96,040
Berkshire Hathaway Energy Company 2.850%, 05/15/2051	26,000	18,434
Black Knight InfoServ LLC 3.625%, 09/01/2028 (D)	675,000	583,875
Blue Racer Midstream LLC 7.625%, 12/15/2025 (D)	10,000	9,452
Bon Secours Mercy Health, Inc. 2.095%, 06/01/2031	23,000	19,221
3.205%, 06/01/2050	20,000	14,910
Booz Allen Hamilton, Inc. 4.000%, 07/01/2029 (D)	75,000	65,395
Boston Scientific Corp. 4.700%, 03/01/2049	5,000	4,776
BP Capital Markets America, Inc. 2.721%, 01/12/2032	40,000	34,432
Brandywine Operating Partnership LP 4.550%, 10/01/2029	22,000	20,984
Brighthouse Financial, Inc. 5.625%, 05/15/2030	24,000	23,303

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Brixmor Operating Partnership LP 3.900%, 03/15/2027	\$ 32,000	\$ 30,609
Broadcom Corp. 3.875%, 01/15/2027	74,000	71,202
Broadcom, Inc. 4.150%, 04/15/2032 (D)	200,000	180,561
4.300%, 11/15/2032	170,000	154,401
Buckeye Partners LP 5.850%, 11/15/2043	195,000	138,450
Builders FirstSource, Inc. 5.000%, 03/01/2030 (D)	500,000	423,725
Caesars Entertainment, Inc. 8.125%, 07/01/2027 (D)	125,000	120,781
Carnival Corp. 6.000%, 05/01/2029 (D)	120,000	84,313
7.625%, 03/01/2026 (D)	100,000	77,454
CCO Holdings LLC 4.750%, 03/01/2030 (D)	110,000	94,078
5.375%, 06/01/2029 (D)	169,000	151,059
CenterPoint Energy Houston Electric LLC 2.350%, 04/01/2031	47,000	40,865
CF Industries, Inc. 4.950%, 06/01/2043	15,000	13,620
5.375%, 03/15/2044	5,000	4,661
Charter Communications Operating LLC 3.700%, 04/01/2051	40,000	27,068
Cheniere Energy Partners LP 4.000%, 03/01/2031	202,000	171,761
Citigroup, Inc. 5.300%, 05/06/2044	12,000	11,493
Citigroup, Inc. (1.281% to 11-3-24, then SOFR + 0.528%) 11/03/2025	70,000	64,994
Citigroup, Inc. (3.106% to 4-8-25, then SOFR + 2.842%) 04/08/2026	69,000	66,237
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.914%) 03/31/2031	22,000	21,012
Citigroup, Inc. (4.910% to 5-24-32, then SOFR + 2.086%) 05/24/2033	60,000	59,204
Clydesdale Acquisition Holdings, Inc. 6.625%, 04/15/2029 (D)	10,000	9,396
8.750%, 04/15/2030 (D)	155,000	133,698
Comcast Corp. 2.800%, 01/15/2051	12,000	8,490
3.750%, 04/01/2040	42,000	36,811
CommonSpirit Health 2.782%, 10/01/2030	45,000	38,890
3.817%, 10/01/2049	115,000	95,878
Community Health Network, Inc. 3.099%, 05/01/2050	220,000	164,924
Community Health Systems, Inc. 4.750%, 02/15/2031 (D)	25,000	18,304
6.000%, 01/15/2029 (D)	50,000	41,421
Compass Group Diversified Holdings LLC 5.250%, 04/15/2029 (D)	75,000	61,875
Conagra Brands, Inc. 5.400%, 11/01/2048	105,000	99,161
Consolidated Edison Company of New York, Inc. 3.200%, 12/01/2051	65,000	49,259

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Constellation Brands, Inc. 3.150%, 08/01/2029	\$ 55,000	\$ 49,503
Corebridge Financial, Inc. 4.400%, 04/05/2052 (D)	55,000	45,851
Corebridge Financial, Inc. 4.350%, 04/05/2042 (D)	53,000	45,197
CubeSmart LP 2.500%, 02/15/2032	45,000	36,543
CVS Health Corp. 4.780%, 03/25/2038	20,000	18,931
5.050%, 03/25/2048	22,000	21,059
Dave & Buster's, Inc. 7.625%, 11/01/2025 (D)	40,000	39,500
Dick's Sporting Goods, Inc. 4.100%, 01/15/2052	120,000	79,795
Discovery Communications LLC 5.000%, 09/20/2037	22,000	19,700
DISH DBS Corp. 5.750%, 12/01/2028 (D)	105,000	77,743
Dollar General Corp. 3.500%, 04/03/2030	25,000	23,005
Dominion Energy South Carolina, Inc. 5.300%, 05/15/2033	12,000	12,818
6.625%, 02/01/2032	12,000	13,961
DT Midstream, Inc. 4.375%, 06/15/2031 (D)	220,000	184,250
Duke Energy Corp. 3.300%, 06/15/2041	27,000	20,893
Earthstone Energy Holdings LLC 8.000%, 04/15/2027 (D)	27,000	25,549
Edison International (5.000% to 12-15-26, then 5 Year CMT + 3.901%) 12/15/2026 (G)	61,000	48,533
Edison International (5.375% to 3-15-26, then 5 Year CMT + 4.698%) 03/15/2026 (G)	79,000	64,188
Elanco Animal Health, Inc. 6.400%, 08/28/2028	35,000	33,317
Elevance Health, Inc. 2.250%, 05/15/2030	29,000	24,780
3.700%, 09/15/2049	15,000	12,401
Embarq Corp. 7.995%, 06/01/2036	50,000	37,554
Energizer Holdings, Inc. 4.375%, 03/31/2029 (D)	110,000	84,450
Energy Transfer LP 4.200%, 04/15/2027	15,000	14,399
4.750%, 01/15/2026	22,000	21,918
5.000%, 05/15/2050	10,000	8,509
EnLink Midstream LLC 5.625%, 01/15/2028 (D)	114,000	104,568
EnLink Midstream Partners LP 5.450%, 06/01/2047	71,000	50,250
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.033%) 08/16/2077	140,000	116,309
EPR Properties 4.500%, 04/01/2025	45,000	44,113
EQM Midstream Partners LP 7.500%, 06/01/2027 (D)	40,000	38,582
EQT Corp. 3.900%, 10/01/2027	65,000	60,488

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Every Metro, Inc. 3.650%, 08/15/2025	\$ 47,000	\$ 46,500
4.200%, 03/15/2048	10,000	8,956
First Student Bidco, Inc. 4.000%, 07/31/2029 (D)	225,000	179,953
FirstCash, Inc. 4.625%, 09/01/2028 (D)	616,000	531,978
5.625%, 01/01/2030 (D)	175,000	151,111
Flex, Ltd. 4.875%, 05/12/2030	90,000	85,665
Ford Motor Credit Company LLC 2.386%, 02/17/2026	EUR 100,000	91,555
Fortune Brands Home & Security, Inc. 4.500%, 03/25/2052	\$ 120,000	92,687
Freedom Mortgage Corp. 6.625%, 01/15/2027 (D)	100,000	74,115
7.625%, 05/01/2026 (D)	70,000	54,596
Frontier Communications Holdings LLC 5.875%, 10/15/2027 (D)	75,000	67,433
6.000%, 01/15/2030 (D)	139,000	106,954
6.750%, 05/01/2029 (D)	160,000	131,600
General Motors Financial Company, Inc. 2.400%, 04/10/2028	47,000	39,723
4.350%, 01/17/2027	34,000	32,616
Genworth Holdings, Inc. 4.800%, 02/15/2024	125,000	123,704
Glatfelter Corp. 4.750%, 11/15/2029 (D)	245,000	171,500
Global Payments, Inc. 4.150%, 08/15/2049	10,000	7,819
Great Lakes Dredge & Dock Corp. 5.250%, 06/01/2029 (D)	400,000	346,069
Group 1 Automotive, Inc. 4.000%, 08/15/2028 (D)	215,000	179,693
GTCR AP Finance, Inc. 8.000%, 05/15/2027 (D)	50,000	46,808
Hawaiian Brand Intellectual Property, Ltd. 5.750%, 01/20/2026 (D)	119,171	106,801
HCA, Inc. 4.625%, 03/15/2052 (D)	135,000	108,008
5.250%, 06/15/2049	100,000	86,125
Hess Corp. 5.800%, 04/01/2047	22,000	21,941
Hightower Holding LLC 6.750%, 04/15/2029 (D)	120,000	90,227
Home Point Capital, Inc. 5.000%, 02/01/2026 (D)	392,000	270,480
HUB International, Ltd. 5.625%, 12/01/2029 (D)	85,000	70,214
7.000%, 05/01/2026 (D)	84,000	78,994
Humana, Inc. 4.875%, 04/01/2030	25,000	25,246
Huntsman International LLC 4.500%, 05/01/2029	22,000	20,745
II-VI, Inc. 5.000%, 12/15/2029 (D)	40,000	34,900
Intercontinental Exchange, Inc. 4.950%, 06/15/2052	40,000	39,111
Iron Mountain, Inc. 5.250%, 07/15/2030 (D)	210,000	182,573
JPMorgan Chase & Co. 5.500%, 10/15/2040	27,000	27,788

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	\$ 15,000	\$ 10,994
JPMorgan Chase & Co. (3.882% to 7-24-37, then 3 month LIBOR + 1.360%) 07/24/2038	27,000	23,797
KB Home 4.000%, 06/15/2031	210,000	161,963
Kraft Heinz Foods Company 4.875%, 10/01/2049	10,000	8,833
Kyndryl Holdings, Inc. 3.150%, 10/15/2031 (D) 4.100%, 10/15/2041 (D)	110,000 60,000	81,442 39,769
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (D) 5.250%, 10/01/2025 (D)	51,000 130,000	41,173 117,650
Lamar Media Corp. 4.000%, 02/15/2030	220,000	184,723
LBM Acquisition LLC 6.250%, 01/15/2029 (D)	179,000	115,243
LCM Investments Holdings II LLC 4.875%, 05/01/2029 (D)	200,000	152,220
LD Holdings Group LLC 6.125%, 04/01/2028 (D) 6.500%, 11/01/2025 (D)	173,000 75,000	105,476 51,000
Lear Corp. 3.800%, 09/15/2027	7,000	6,613
Lennar Corp. 4.750%, 11/29/2027	74,000	71,844
LFS Topco LLC 5.875%, 10/15/2026 (D)	50,000	39,500
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (D) 4.300%, 02/01/2061 (D) 5.500%, 06/15/2052 (D)	130,000 235,000 185,000	93,439 158,922 175,229
Lithia Motors, Inc. 3.875%, 06/01/2029 (D)	110,000	93,432
M/I Homes, Inc. 3.950%, 02/15/2030	100,000	75,110
Magallanes, Inc. 3.755%, 03/15/2027 (D) 5.050%, 03/15/2042 (D) 5.141%, 03/15/2052 (D) 5.391%, 03/15/2062 (D)	20,000 32,000 146,000 50,000	18,760 27,225 122,545 41,825
MajorDrive Holdings IV LLC 6.375%, 06/01/2029 (D)	30,000	20,550
Matador Resources Company 5.875%, 09/15/2026	92,000	88,438
Medline Borrower LP 5.250%, 10/01/2029 (D)	177,000	145,370
Microsoft Corp. 3.450%, 08/08/2036	27,000	25,451
MidAmerican Energy Company 3.150%, 04/15/2050	24,000	18,787
Midcap Financial Issuer Trust 6.500%, 05/01/2028 (D)	60,000	51,600
Molson Coors Beverage Company 4.200%, 07/15/2046	17,000	13,957
Morgan Stanley 3.950%, 04/23/2027	12,000	11,620
Morgan Stanley (0.790% to 5-30-24, then SOFR + 0.525%) 05/30/2025	22,000	20,480

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	\$ 42,000	\$ 38,579
Morgan Stanley (5.297% to 4-20-32, then SOFR + 2.620%) 04/20/2037	100,000	96,840
MSCI, Inc. 3.625%, 09/01/2030 (D) 3.875%, 02/15/2031 (D)	60,000 365,000	50,021 312,075
Mylan, Inc. 5.200%, 04/15/2048	120,000	95,825
Nabors Industries, Inc. 7.375%, 05/15/2027 (D)	40,000	38,000
Nasdaq, Inc. 0.900%, 07/30/2033	EUR 100,000	76,624
Nationstar Mortgage Holdings, Inc. 5.125%, 12/15/2030 (D) 5.750%, 11/15/2031 (D)	\$ 55,000 690,000	41,114 528,333
Navient Corp. 4.875%, 03/15/2028	225,000	175,781
Netflix, Inc. 4.625%, 05/15/2029	EUR 100,000	98,552
News Corp. 3.875%, 05/15/2029 (D)	\$ 210,000	181,328
NextEra Energy Capital Holdings, Inc. (5.650% to 5-1-29, then 3 month LIBOR + 3.156%) 05/01/2079	130,000	114,231
Nielsen Finance LLC 4.500%, 07/15/2029 (D)	155,000	140,025
Nordstrom, Inc. 2.300%, 04/08/2024	35,000	33,310
Northern States Power Company 2.600%, 06/01/2051	27,000	19,007
Novelis Corp. 3.875%, 08/15/2031 (D) 4.750%, 01/30/2030 (D)	115,000 215,000	88,572 178,704
NRG Energy, Inc. 5.250%, 06/15/2029 (D)	210,000	187,425
Occidental Petroleum Corp. 4.500%, 07/15/2044 6.450%, 09/15/2036	62,000 85,000	49,135 87,125
Oncor Electric Delivery Company LLC 2.750%, 05/15/2030	52,000	47,329
OneMain Finance Corp. 5.375%, 11/15/2029 6.625%, 01/15/2028	225,000 50,000	182,331 44,688
OT Merger Corp. 7.875%, 10/15/2029 (D)	130,000	74,665
Pacific Gas & Electric Company 4.550%, 07/01/2030 4.950%, 07/01/2050 5.900%, 06/15/2032	150,000 133,000 125,000	133,280 106,122 120,836
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (D)	36,000	27,360
Paramount Global 4.950%, 05/19/2050 5.250%, 04/01/2044	115,000 22,000	96,389 18,826
Paramount Global (6.250% to 2-28-27, then 3 month LIBOR + 3.899%) 02/28/2057	130,000	113,750
PennyMac Financial Services, Inc. 4.250%, 02/15/2029 (D) 5.750%, 09/15/2031 (D)	430,000 125,000	316,050 93,222

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Penske Truck Leasing Company LP 4.250%, 01/17/2023 (D)	\$ 37,000	\$ 37,119
Performance Food Group, Inc. 4.250%, 08/01/2029 (D)	60,000	50,100
Philip Morris International, Inc. 1.450%, 08/01/2039	EUR 390,000	231,018
Plains All American Pipeline LP 3.800%, 09/15/2030	\$ 59,000	52,152
Post Holdings, Inc. 4.625%, 04/15/2030 (D)	170,000	143,441
Presidio Holdings, Inc. 8.250%, 02/01/2028 (D)	255,000	224,195
QUALCOMM, Inc. 4.500%, 05/20/2052	20,000	19,692
Range Resources Corp. 4.750%, 02/15/2030 (D)	15,000	13,452
	8.250%, 01/15/2029	5,000
Reynolds American, Inc. 4.850%, 09/15/2023	22,000	22,218
	5.850%, 08/15/2045	580,000
Royal Caribbean Cruises, Ltd. 5.500%, 08/31/2026 (D)	95,000	70,538
Royalty Pharma PLC 3.300%, 09/02/2040	36,000	26,588
	3.350%, 09/02/2051	135,000
S&P Global, Inc. 2.700%, 03/01/2029 (D)	10,000	9,099
salesforce.com, Inc. 2.700%, 07/15/2041	32,000	24,736
San Diego Gas & Electric Company 3.320%, 04/15/2050	22,000	17,157
Santander Holdings USA, Inc. 3.450%, 06/02/2025	37,000	35,580
Scripps Escrow II, Inc. 5.375%, 01/15/2031 (D)	65,000	51,841
Signal Parent, Inc. 6.125%, 04/01/2029 (D)	262,000	163,776
Silgan Holdings, Inc. 2.250%, 06/01/2028	EUR 100,000	82,327
Sirius XM Radio, Inc. 5.500%, 07/01/2029 (D)	\$ 100,000	91,125
Southern California Edison Company 5.450%, 06/01/2052	245,000	240,477
Spirit AeroSystems, Inc. 5.500%, 01/15/2025 (D)	25,000	23,125
SRM Escrow Issuer LLC 6.000%, 11/01/2028 (D)	22,000	18,595
SRS Distribution, Inc. 6.125%, 07/01/2029 (D)	75,000	59,173
Standard Industries, Inc. 3.375%, 01/15/2031 (D)	303,000	223,498
	4.375%, 07/15/2030 (D)	392,000
STL Holding Company LLC 7.500%, 02/15/2026 (D)	100,000	87,000
Sunoco LP 4.500%, 05/15/2029	215,000	177,221
Sutter Health 4.091%, 08/15/2048	105,000	92,687
Sysco Corp. 3.150%, 12/14/2051	20,000	14,302
	6.600%, 04/01/2040	140,000
Targa Resources Corp. 4.200%, 02/01/2033	40,000	36,234
	6.250%, 07/01/2052 (A)	20,000

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Targa Resources Partners LP 4.875%, 02/01/2031	\$ 112,000	\$ 102,099
Teledyne Technologies, Inc. 2.750%, 04/01/2031	47,000	39,289
Terex Corp. 5.000%, 05/15/2029 (D)	188,000	159,800
The Brooklyn Union Gas Company 4.273%, 03/15/2048 (D)	215,000	175,666
The Charles Schwab Corp. (4.000% to 12-1-30, then 10 Year CMT + 3.079%) 12/01/2030 (G)	135,000	103,916
The Chemours Company 4.625%, 11/15/2029 (D)	70,000	55,054
The Dun & Bradstreet Corp. 5.000%, 12/15/2029 (D)	80,000	69,100
The Gap, Inc. 3.625%, 10/01/2029 (D)	183,000	128,503
	3.875%, 10/01/2031 (D)	347,000
The Goldman Sachs Group, Inc. (3.800% to 5-10-26, then 5 Year CMT + 2.969%) 05/10/2026 (G)	145,000	113,097
The Hertz Corp. 5.000%, 12/01/2029 (D)	100,000	77,000
The Home Depot, Inc. 2.375%, 03/15/2051	2,000	1,353
The Sherwin-Williams Company 4.550%, 08/01/2045	30,000	26,379
The Southern Company 3.700%, 04/30/2030	15,000	13,918
The Toledo Hospital 5.750%, 11/15/2038	100,000	103,167
The William Carter Company 5.625%, 03/15/2027 (D)	393,000	368,009
T-Mobile USA, Inc. 3.750%, 04/15/2027	32,000	30,813
Toll Brothers Finance Corp. 3.800%, 11/01/2029	195,000	165,421
TopBuild Corp. 3.625%, 03/15/2029 (D)	90,000	70,854
TransDigm, Inc. 4.875%, 05/01/2029	225,000	183,159
	6.250%, 03/15/2026 (D)	170,000
Truist Financial Corp. (5.125% to 12-15-27, then 3 month LIBOR + 2.786%) 12/15/2027 (G)	118,000	96,964
U.S. Bancorp (3.700% to 1-15-27, then 5 Year CMT + 2.541%) 01/15/2027 (G)	111,000	85,193
U.S. Steel Corp. 6.875%, 03/01/2029 (H)	195,000	170,155
United Natural Foods, Inc. 6.750%, 10/15/2028 (D)	159,000	148,592
United Wholesale Mortgage LLC 5.500%, 04/15/2029 (D)	542,000	414,982
	5.750%, 06/15/2027 (D)	185,000
UnitedHealth Group, Inc. 3.750%, 10/15/2047	27,000	23,332
Unum Group 4.000%, 03/15/2024	36,000	35,991
Venture Global Calcasieu Pass LLC 4.125%, 08/15/2031 (D)	118,000	100,833

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Verizon Communications, Inc. 2.100%, 03/22/2028	\$ 37,000	\$ 32,864
3.400%, 03/22/2041	22,000	17,909
4.000%, 03/22/2050	10,000	8,642
4.016%, 12/03/2029	69,000	66,828
VICI Properties LP 5.625%, 05/15/2052	30,000	27,305
Victors Merger Corp. 6.375%, 05/15/2029 (D)	185,000	112,850
Western Midstream Operating LP 4.550%, 02/01/2030	113,000	97,745
5.750%, 02/01/2050	75,000	60,229
Xcel Energy, Inc. 3.400%, 06/01/2030	29,000	26,647
Zoetis, Inc. 3.000%, 05/15/2050	27,000	19,959
		25,524,826
TOTAL CORPORATE BONDS (Cost \$43,138,965)		\$ 36,134,421
CONVERTIBLE BONDS - 2.0%		
China - 0.3%		
NIO, Inc., 0.500%, 02/01/2027	485,000	363,508
Smart Insight International, Ltd., 4.500%, 12/05/2023	HKD 2,000,000	187,720
		551,228
Israel - 0.0%		
SolarEdge Technologies, Inc., Zero Coupon, 0.000%, 09/15/2025	\$ 20,000	24,040
Italy - 0.1%		
Nexi SpA, 1.750%, 04/24/2027	EUR 100,000	83,311
Luxembourg - 0.1%		
Arrival SA, 3.500%, 12/01/2026 (D)	\$ 515,000	199,305
Singapore - 0.2%		
Sea, Ltd., 0.250%, 09/15/2026	370,000	270,100
United Kingdom - 0.2%		
Endeavour Mining Corp., 3.000%, 02/15/2023 (D)	400,000	414,760
United States - 1.1%		
Airbnb, Inc., 5.045%, 03/15/2026 (I)	40,000	33,240
Apellis Pharmaceuticals, Inc., 3.500%, 09/15/2026	60,000	89,565
Bandwidth, Inc., 0.250%, 03/01/2026	25,000	17,200
Bandwidth, Inc., 0.500%, 04/01/2028	90,000	53,280
Beyond Meat, Inc., 22.632%, 03/15/2027 (I)	130,000	49,075
Block, Inc., 0.125%, 03/01/2025	15,000	14,063
Bloomin' Brands, Inc., 5.000%, 05/01/2025	8,000	12,648
Ceridian HCM Holding, Inc., 0.250%, 03/15/2026	40,000	31,540
DraftKings Holdings, Inc., 8.817%, 03/15/2028 (I)	119,000	72,947
Etsy, Inc., 0.125%, 10/01/2026	12,000	13,560
Exact Sciences Corp., 0.375%, 03/01/2028	95,000	65,265
FTI Consulting, Inc., 2.000%, 08/15/2023	12,000	21,614
JetBlue Airways Corp., 0.500%, 04/01/2026	340,000	250,070
John Bean Technologies Corp., 0.250%, 05/15/2026	40,000	36,840
NCL Corp., Ltd., 2.500%, 02/15/2027 (D)	21,000	14,438
NuVasive, Inc., 0.375%, 03/15/2025	170,000	151,194

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
United States (continued)		
Pebblebrook Hotel Trust, 1.750%, 12/15/2026	\$ 40,000	\$ 35,620
Pegasystems, Inc., 0.750%, 03/01/2025	80,000	64,120
Penn National Gaming, Inc., 2.750%, 05/15/2026	8,000	11,850
Pioneer Natural Resources Company, 0.250%, 05/15/2025	18,000	38,916
Redfin Corp., 0.500%, 04/01/2027	100,000	46,650
Repay Holdings Corp., 7.387%, 02/01/2026 (D)(I)	475,000	366,344
Shift4 Payments, Inc., 0.500%, 08/01/2027 (D)	370,000	258,075
Southwest Airlines Company, 1.250%, 05/01/2025	25,000	29,438
Splunk, Inc., 1.125%, 06/15/2027	35,000	28,875
The Middleby Corp., 1.000%, 09/01/2025	64,000	72,288
Uber Technologies, Inc., 6.648%, 12/15/2025 (I)	40,000	31,909
Workday, Inc., 0.250%, 10/01/2022	35,000	36,593
		1,947,217
TOTAL CONVERTIBLE BONDS (Cost \$4,602,090)		\$ 3,489,961
MUNICIPAL BONDS - 3.8%		
United States - 3.8%		
California Health Facilities Financing Authority 4.190%, 06/01/2037	65,000	61,832
California Health Facilities Financing Authority 4.353%, 06/01/2041	30,000	28,104
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	60,000	55,112
Chicago Transit Authority (Illinois) 3.502%, 12/01/2033	435,000	397,110
Chicago Transit Authority, Series A (Illinois) 6.899%, 12/01/2040	55,000	65,955
City & County of Denver Company Airport System Revenue (Colorado) 2.717%, 11/15/2034	105,000	87,718
City & County of Denver Company Airport System Revenue (Colorado) 2.867%, 11/15/2037	75,000	60,512
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2032	100,000	108,371
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2044	240,000	251,594
City of Houston Airport System Revenue (Texas) 2.385%, 07/01/2031	240,000	205,824
City of San Antonio Electric & Gas Systems Revenue (Texas) 4.365%, 02/01/2042	95,000	91,486
City of San Antonio Electric & Gas Systems Revenue (Texas) 4.445%, 02/01/2047	100,000	95,257
City of Tampa (Florida) 4.384%, 09/01/2036 (I)	100,000	53,958
Commonwealth of Massachusetts, GO 2.514%, 07/01/2041	625,000	484,370

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2033	\$ 70,000	\$ 78,234
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2029	100,000	114,998
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2028	150,000	164,583
County of Miami-Dade Aviation Revenue (Florida) 2.786%, 10/01/2037	200,000	160,226
County of Miami-Dade Aviation Revenue (Florida) 4.000%, 10/01/2036	115,000	113,012
County of Miami-Dade Aviation Revenue (Florida) 3.270%, 10/01/2041	50,000	40,538
Dallas Fort Worth International Airport (Texas) 3.089%, 11/01/2040	130,000	108,377
Dallas Fort Worth International Airport (Texas) 4.087%, 11/01/2051	50,000	48,768
District of Columbia 3.432%, 04/01/2042	405,000	334,623
Grand Parkway Transportation Corp. (Texas) 3.236%, 10/01/2052	190,000	152,113
Greater Orlando Aviation Authority (Florida) 5.000%, 10/01/2028	50,000	54,211
Greater Orlando Aviation Authority (Florida) 5.000%, 10/01/2028	100,000	106,025
Iowa Finance Authority 3.250%, 07/01/2050	50,000	49,571
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2050	110,000	113,296
Metropolitan Transportation Authority (New York) 6.668%, 11/15/2039	15,000	17,923
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2029	100,000	108,438
New Jersey Educational Facilities Authority 5.000%, 03/01/2032	105,000	124,798
New Jersey Transportation Trust Fund Authority 4.000%, 06/15/2045	50,000	46,334
New York City Transitional Finance Authority 4.000%, 05/01/2045	75,000	72,929
Orange County Convention Center (Florida) 5.000%, 10/01/2031	55,000	58,336
Port Authority of New York & New Jersey 4.000%, 03/15/2030	230,000	233,505
Port Authority of New York & New Jersey 5.000%, 09/15/2033	140,000	149,767

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
Port Authority of New York & New Jersey 4.823%, 06/01/2045	\$ 140,000	\$ 137,880
Port Authority of New York & New Jersey 1.086%, 07/01/2023	25,000	24,537
Port of Seattle (Washington) 5.000%, 04/01/2039	190,000	201,134
Port of Seattle (Washington) 5.000%, 10/01/2031	100,000	107,529
Regents of the University of California Medical Center Pooled Revenue 4.563%, 05/15/2053	140,000	137,478
Sales Tax Securitization Corp. (Illinois) 3.238%, 01/01/2042	25,000	21,053
San Diego County Regional Transportation Commission (California) 3.248%, 04/01/2048	75,000	64,180
San Francisco City & County Airport Commission (California) 5.000%, 05/01/2050	325,000	337,431
San Francisco City & County Airport Commission (California) 4.000%, 05/01/2039	160,000	155,625
San Francisco City & County Airport Commission (California) 2.958%, 05/01/2051	155,000	113,139
State of Hawaii Airports System Revenue 4.000%, 07/01/2035	100,000	98,717
State of Hawaii Airports System Revenue 5.000%, 07/01/2034	295,000	318,176
State of Illinois, GO 5.100%, 06/01/2033	40,000	40,244
Triborough Bridge & Tunnel Authority (New York) 5.000%, 11/15/2054	140,000	149,661
Wisconsin Center District 4.173%, 12/15/2050	65,000	57,841
TOTAL MUNICIPAL BONDS (Cost \$7,352,366)	\$	6,462,433
TERM LOANS (J) - 6.2%		
France - 0.1%		
CAB SELAS, 2021 EUR Term Loan B (6 month EURIBOR + 2.750%) 2.750%, 02/09/2028	EUR 140,000	129,071
Luxembourg - 0.2%		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%) 4.166%, 02/01/2024	\$ 200,000	194,600
Jazz Financing Lux Sarl, USD Term Loan (1 month LIBOR + 3.500%) 5.166%, 05/05/2028	103,950	98,964
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month LIBOR + 3.750%) 6.000%, 10/01/2026	98,501	90,937
		384,501
Netherlands - 0.1%		
Boels Topholding BV, 2021 EUR Term Loan B (3 month EURIBOR + 3.250%) 3.250%, 02/06/2027	EUR 155,000	148,728

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (J) (continued)		
Netherlands (continued)		
Diamond BC BV, 2021 Term Loan B (3 month LIBOR + 2.750%) 3.989%, 09/29/2028	\$ 124,375	\$ 114,580
		263,308
Sweden - 0.1%		
Verisure Holding AB, 2020 EUR Term Loan B (3 month EURIBOR + 3.250%) 3.250%, 07/20/2026	EUR 155,000	146,761
United Kingdom - 0.1%		
Lorca Finco PLC, EUR Term Loan B1 (6 month EURIBOR + 4.250%) 4.499%, 09/17/2027	180,000	171,890
United States - 5.6%		
AAdvantage Loyalty IP, Ltd., 2021 Term Loan 5.813%, 04/20/2028	\$ 100,000	95,214
ABG Intermediate Holdings 2 LLC, 2021 Term Loan B1 (1 month SOFR + 3.750%) 5.275%, 12/21/2028	130,000	121,225
Acisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%) 5.166%, 02/15/2027	244,375	223,603
Adient U.S. LLC, 2021 Term Loan B (1 month LIBOR + 3.250%) 4.916%, 04/10/2028	99,000	91,905
APX Group, Inc., 2021 Term Loan B (Prime rate + 2.500% and 1 month LIBOR + 3.500%) 5.016%, 07/10/2028	99,250	93,512
Aramark Services, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%) 3.416%, 03/11/2025	125,000	119,719
Aretec Group, Inc., 2018 Term Loan (1 month LIBOR + 4.250%) 5.916%, 10/01/2025	194,950	184,594
Artera Services LLC, Incremental Term Loan (3 month LIBOR + 3.500%) 5.750%, 03/06/2025	99,000	78,016
Asurion LLC, 2020 Term Loan B8 (1 month LIBOR + 3.250%) 4.916%, 12/23/2026	146,341	132,348
Asurion LLC, 2021 2nd Lien Term Loan B3 (1 month LIBOR + 5.250%) 6.916%, 01/31/2028	145,000	123,250
athenahealth, Inc., 2022 Term Loan B (1 month SOFR + 3.500%) 5.009%, 02/15/2029	85,507	78,507
Avantor Funding, Inc., 2021 Term Loan B5 (1 month LIBOR + 2.250%) 3.916%, 11/08/2027	164,773	158,054
Berlin Packaging LLC, 2021 Term Loan B5 (3 month LIBOR + 3.750%) 4.889%, 03/11/2028	168,725	156,632
Blackhawk Network Holdings, Inc., 2018 1st Lien Term Loan (3 month SOFR + 3.000%) 5.054%, 06/15/2025	102,230	96,394
Brown Group Holding LLC, Term Loan B (1 month LIBOR + 2.500%) 4.166%, 06/07/2028	173,595	164,374
Caesars Resort Collection LLC, 2020 Term Loan B1 (1 month LIBOR + 3.500%) 5.166%, 07/21/2025	167,025	160,636
Carnival Corp., 2021 Incremental Term Loan B (6 month LIBOR + 3.250%) 6.127%, 10/18/2028	164,175	146,937

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (J) (continued)		
United States (continued)		
Change Healthcare Holdings LLC, 2017 Term Loan B (1 month LIBOR + 2.500%) 4.166%, 03/01/2024	\$ 175,161	\$ 170,104
Chariot Buyer LLC, Term Loan B (1 month LIBOR + 3.500%) 4.506%, 11/03/2028	99,500	89,633
Charter Communications Operating LLC, 2019 Term Loan B2 (1 month LIBOR + 1.750%) 3.420%, 02/01/2027	146,608	139,461
Clarios Global LP, 2021 USD Term Loan B (1 month LIBOR + 3.250%) 4.916%, 04/30/2026	169,891	158,211
Clydesdale Acquisition Holdings, Inc., Term Loan B (1 month SOFR + 4.250%) 5.875%, 04/13/2029	100,000	93,297
Core & Main LP, 2021 Term Loan B (1 and 3 month LIBOR + 2.500%) 4.124%, 07/27/2028	244,952	232,807
Crocs, Inc., Term Loan B (3 month SOFR + 3.500%) 4.448%, 02/20/2029	279,300	253,641
Dcert Buyer, Inc., 2019 Term Loan B (1 month LIBOR + 4.000%) 5.666%, 10/16/2026	195,500	186,353
DT Midstream, Inc., Term Loan B (1 month LIBOR + 2.000%) 3.688%, 06/26/2028	51,913	51,718
EG America LLC, 2021 Term Loan (3 month LIBOR + 4.250%) 6.500%, 03/31/2026	99,173	93,636
Elanco Animal Health, Inc., Term Loan B (1 month LIBOR + 1.750%) 2.812%, 08/01/2027	108,531	102,291
Epicor Software Corp., 2020 Term Loan (1 month LIBOR + 3.250%) 4.916%, 07/30/2027	133,696	125,902
First Student Bidco, Inc., Term Loan B (3 month LIBOR + 3.000%) 5.232%, 07/21/2028	83,575	74,486
First Student Bidco, Inc., Term Loan C (3 month LIBOR + 3.000%) 5.232%, 07/21/2028	31,005	27,633
Frontier Communications Holdings LLC, 2021 DIP Term Loan B (3 month LIBOR + 3.750%) 6.063%, 05/01/2028	98,750	92,183
Gainwell Acquisition Corp., Term Loan B (3 month LIBOR + 4.000%) 6.250%, 10/01/2027	113,275	106,903
Great Outdoors Group LLC, 2021 Term Loan B1 (1 month LIBOR + 3.750%) 5.416%, 03/06/2028	275,816	250,717
Hayward Industries, Inc., 2021 Term Loan (1 month LIBOR + 2.500%) 4.166%, 05/30/2028	123,750	117,524
Heartland Dental LLC, 2021 Incremental Term Loan (1 month LIBOR + 4.000%) 5.642%, 04/30/2025	118,800	110,900
HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 3.000%) 4.214%, 04/25/2025	243,655	230,229
HUB International, Ltd., 2021 Term Loan B (3 month LIBOR + 3.250%) 4.348%, 04/25/2025	124,905	118,220

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (J) (continued)		
United States (continued)		
Hyland Software, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.500%) 5.166%, 07/01/2024	\$ 162,054	\$ 156,022
IRB Holding Corp., 2022 Term Loan B (1 month SOFR + 3.150%) 4.238%, 12/15/2027	197,995	185,456
LBM Acquisition LLC, Term Loan B (1 month LIBOR + 3.750%) 5.416%, 12/17/2027	203,114	165,983
MajorDrive Holdings IV LLC, Term Loan B (3 month LIBOR + 4.000%) 5.625%, 06/01/2028	99,000	88,636
McAfee Corp., 2022 USD Term Loan B (1 month SOFR + 4.000%) 5.145%, 03/01/2029	130,000	117,975
Medline Borrower LP, USD Term Loan B (1 month LIBOR + 3.250%) 4.916%, 10/23/2028	204,488	189,310
MH Sub I LLC, 2020 Incremental Term Loan (1 month LIBOR + 3.750%) 5.416%, 09/13/2024	99,241	93,261
Mitchell International, Inc., 2021 Term Loan B (1 month LIBOR + 3.750%) 5.345%, 10/15/2028	169,575	154,154
NEP Group, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.250%) 4.916%, 10/20/2025	244,304	226,504
Oryx Midstream Services Permian Basin LLC, Term Loan B (3 month LIBOR + 3.250%) 4.705%, 10/05/2028	99,500	94,463
Packaging Coordinators Midco, Inc., 2020 1st Lien Term Loan (3 month LIBOR + 3.750%) 6.000%, 11/30/2027	98,750	93,113
Pathway Vet Alliance LLC, 2021 Term Loan (3 month LIBOR + 3.750%) 6.000%, 03/31/2027	122,248	113,232
PECF USS Intermediate Holding III Corp., Term Loan B (1 month LIBOR + 4.250%) 5.916%, 12/15/2028	99,500	89,550
Phoenix Newco, Inc., 2021 1st Lien Term Loan (1 month LIBOR + 3.250%) 4.883%, 11/15/2028	119,700	112,159
Polaris Newco LLC, USD Term Loan B (1 month LIBOR + 4.000%) 5.666%, 06/02/2028	119,100	109,742
Proampac PG Borrower LLC, 2020 Term Loan (1 and 3 month LIBOR + 3.750%) 5.008%, 11/03/2025	108,629	100,265
Quikrete Holdings, Inc., 2016 1st Lien Term Loan (1 month LIBOR + 2.625%) 4.291%, 02/01/2027	195,000	182,228
Sedgwick Claims Management Services, Inc., 2018 Term Loan B (1 month LIBOR + 3.250%) 4.916%, 12/31/2025	95,465	89,451
Shutterfly LLC, 2021 Term Loan (1 month LIBOR + 5.000%) 6.666%, 09/25/2026	99,000	79,398
Signal Parent, Inc., Term Loan B (1 month LIBOR + 3.500%) 5.166%, 04/03/2028	198,000	151,139

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (J) (continued)		
United States (continued)		
Specialty Building Products Holdings LLC, 2021 Term Loan B (1 month LIBOR + 3.750%) 5.345%, 10/15/2028	\$ 99,750	\$ 87,531
SRS Distribution, Inc., 2021 Term Loan B (3 month LIBOR + 3.500%) 4.019%, 06/02/2028	153,838	141,607
SS&C Technologies, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%) 3.416%, 04/16/2025	98,527	93,417
SS&C Technologies, Inc., 2018 Term Loan B4 (1 month LIBOR + 1.750%) 3.416%, 04/16/2025	79,983	75,835
Surgery Center Holdings, Inc., 2021 Term Loan (1 month LIBOR + 3.750%) 4.950%, 08/31/2026	96,986	90,167
Tecta America Corp., 2021 Term Loan (1 month LIBOR + 4.250%) 5.916%, 04/10/2028	128,700	120,013
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 3.250%) 4.874%, 02/06/2026	208,770	196,569
The Michaels Companies, Inc., 2021 Term Loan B (3 month LIBOR + 4.250%) 6.500%, 04/15/2028	128,700	105,677
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%) 3.916%, 05/30/2025	195,000	184,893
TricorBraun Holdings, Inc., 2021 Term Loan (1 month LIBOR + 3.250%) 4.916%, 03/03/2028	99,030	91,868
UFC Holdings LLC, 2021 Term Loan B (6 month LIBOR + 2.750%) 3.500%, 04/29/2026	181,564	168,673
UKG, Inc., Term Loan B (1 month LIBOR + 3.750%) 5.416%, 05/04/2026	146,608	138,197
USI, Inc., 2017 Repriced Term Loan (3 month LIBOR + 3.000%) 5.250%, 05/16/2024	122,115	116,850
Virgin Media Bristol LLC, 2020 USD Term Loan Q (1 month LIBOR + 3.250%) 4.574%, 01/31/2029	145,000	138,604
WW International, Inc., 2021 Term Loan B (1 month LIBOR + 3.500%) 5.170%, 04/13/2028	94,500	73,238
		9,465,949
TOTAL TERM LOANS (Cost \$11,337,855)		\$ 10,561,480
COLLATERALIZED MORTGAGE OBLIGATIONS - 6.2%		
Commercial and residential - 2.8%		
ACRE Commercial Mortgage, Ltd., Series 2021-FL4, Class B (1 month LIBOR + 1.400%), 3.012%, 12/18/2037 (D)(K)	100,000	96,359
Angel Oak Mortgage Trust, Series 2020-3, Class M1, 3.809%, 04/25/2065 (D)(L)	180,000	168,622
ANTLR Mortgage Trust, Series 2021-RTL1, Class A1, 2.115%, 11/25/2024 (D)(L)	125,000	119,780
BANK		
Series 2021-BN32, Class XA IO, 0.890%, 04/15/2054	997,724	48,017

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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)		
BANK (continued)		
Series 2021-BN35, Class XA IO, 1.155%, 06/15/2064	\$ 1,324,984	\$ 86,592
Series 2021-BN37, Class XA IO, 0.714%, 11/15/2064	997,937	37,118
Bank of America Merrill Lynch Commercial Mortgage Trust, Series 2016-UB10, Class D, 3.000%, 07/15/2049 (D)	40,000	32,913
BBCMS Mortgage Trust, Series 2017-DELC, Class A (1 month LIBOR + 0.850%), 2.174%, 08/15/2036 (D)(K)	100,000	97,924
Benchmark Mortgage Trust Series 2019-B10, Class XA IO, 1.386%, 03/15/2062	564,401	32,376
Series 2020-B22, Class XA IO, 1.632%, 01/15/2054	204,378	19,622
BRAVO Residential Funding Trust Series 2020-NQM1, Class M1, 3.181%, 05/25/2060 (D)(L)	180,000	177,773
Series 2021-NQM1, Class M1, 2.316%, 02/25/2049 (D)(L)	100,000	91,864
BX Commercial Mortgage Trust Series 2019-XL, Class C (1 month LIBOR + 1.250%), 2.574%, 10/15/2036 (D)(K)	233,750	226,694
Series 2020-VKNG, Class F (1 month LIBOR + 2.750%), 4.074%, 10/15/2037 (D)(K)	203,024	188,845
BX Trust		
Series 2018-GW, Class E (1 month LIBOR + 1.970%), 3.294%, 05/15/2035 (D)(K)	80,000	75,174
Series 2021-MFM1, Class D (1 month LIBOR + 1.500%), 2.824%, 01/15/2034 (D)(K)	55,000	51,408
Series 2022-CSMO, Class A (1 month CME Term SOFR + 2.115%), 2.865%, 06/15/2027 (D)(K)	155,000	152,868
BXHPP Trust, Series 2021-FILM, Class B (1 month LIBOR + 0.900%), 2.224%, 08/15/2036 (D)(K)	65,000	60,728
BXSC Commercial Mortgage Trust, Series 2022-WSS, Class C (1 month CME Term SOFR + 2.391%), 3.670%, 03/15/2035 (D)(K)	100,000	96,373
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG), Series 2013-CR13, Class B, 5.041%, 11/10/2046 (L)	169,000	167,717
Commercial Mortgage Trust (Deutsche Bank AG) Series 2020-SBX, Class C, 2.056%, 01/10/2038 (D)(L)	100,000	88,696
Series 2020-SBX, Class D, 2.398%, 01/10/2038 (D)(L)	100,000	88,629
Credit Suisse Mortgage Trust, Series 2020-NET, Class D, 3.828%, 08/15/2037 (D)(L)	100,000	90,438
Deephaven Residential Mortgage Trust, Series 2021-1, Class A3, 1.128%, 05/25/2065 (D)(L)	34,426	32,928

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
FREMFI Mortgage Trust		
Series 2015-K45, Class C, 3.734%, 04/25/2048 (D)(L)	\$ 115,000	\$ 111,682
Series 2016-K55, Class C, 4.301%, 04/25/2049 (D)(L)	50,000	48,315
Series 2018-K78, Class C, 4.266%, 06/25/2051 (D)(L)	182,000	172,129
GS Mortgage Securities Trust, Series 2017-GS6, Class C, 4.322%, 05/10/2050 (L)	25,000	23,148
JPMorgan Mortgage Trust, Series 2018-3, Class A1, 3.500%, 09/25/2048 (D)(L)	22,812	21,430
KKR Industrial Portfolio Trust, Series 2021-KDIP, Class D (1 month LIBOR + 1.250%), 2.574%, 12/15/2037 (D)(K)	161,250	152,744
LHOME Mortgage Trust, Series 2021-RTL2, Class A1 (2.090% to 1-25-24, then 3.090% thereafter), 2.090%, 06/25/2026 (D)	155,000	147,126
LoanCore Issuer, Ltd., Series 2021-CRE4, Class B (1 month SOFR + 1.364%), 2.144%, 07/15/2035 (D)(K)	100,000	96,199
Morgan Stanley Bank of America Merrill Lynch Trust, Series 2013-C8, Class C, 4.144%, 12/15/2048 (L)	283,000	279,782
Morgan Stanley Capital I Trust, Series 2017-CLS, Class F (1 month LIBOR + 2.600%), 3.924%, 11/15/2034 (D)(K)	177,000	171,611
NYMT Loan Trust I, Series 2021-BPL1, Class A1 (2.239% to 5-25-24, then 4.239% thereafter), 2.239%, 05/25/2026 (D)	230,000	218,459
PRPM LLC		
Series 2021-3, Class A2 (3.720% to 4-25-24, then 6.720% to 4-25-25, then 7.720% thereafter), 3.720%, 04/25/2026 (D)	110,000	102,105
Series 2021-5, Class A1 (1.793% to 6-25-24, then 4.793% to 6-25-25, then 5.793% thereafter), 1.793%, 06/25/2026 (D)	122,174	114,333
Series 2021-7, Class A1 (1.867% to 8-25-24, then 4.867% to 8-25-25, then 5.867% thereafter), 1.867%, 08/25/2026 (D)	137,972	128,208
Ready Capital Mortgage Financing LLC Series 2021-FL6, Class AS (1 month LIBOR + 1.200%), 2.824%, 07/25/2036 (D)(K)	105,000	98,632
Series 2021-FL7, Class AS (1 month LIBOR + 1.500%), 3.124%, 11/25/2036 (D)(K)	55,000	51,594
Starwood Mortgage Residential Trust, Series 2021-2, Class A3, 1.431%, 05/25/2065 (D)(L)	92,692	88,472
Toorak Mortgage Corp., Series 2019-2, Class A2, 4.213%, 09/25/2022	150,000	146,524

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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)		
Verus Securitization Trust, Series 2020-INV1, Class A3, 3.889%, 03/25/2060 (D)(L)	\$ 100,000	\$ 98,845
Wells Fargo Mortgage Backed Securities Trust, Series 2019-3, Class A1, 3.500%, 07/25/2049 (D)(L)	17,801	16,670
WF-RBS Commercial Mortgage Trust, Series 2011-C4, Class C, 5.026%, 06/15/2044 (D)(L)	109,195	109,019
		4,726,485
U.S. Government Agency - 3.4%		
Federal Home Loan Mortgage Corp.		
Series 2013-DN1, Class M2 (1 month LIBOR + 7.150%), 8.774%, 07/25/2023 (K)	78,636	81,148
Series 2014-DN2, Class M3 (1 month LIBOR + 3.600%), 5.224%, 04/25/2024 (K)	118,341	119,451
Series 2020-DNA6, Class B1 (1 month SOFR + 3.000%), 3.926%, 12/25/2050 (D)(K)	35,000	29,259
Series 2020-HQA3, Class B1 (1 month LIBOR + 5.750%), 7.374%, 07/25/2050 (D)(K)	195,000	202,598
Series 2021-DNA2, Class M2 (1 month SOFR + 2.300%), 3.226%, 08/25/2033 (D)(K)	155,000	146,520
Series 2021-DNA5, Class B1 (1 month SOFR + 3.050%), 3.976%, 01/25/2034 (D)(K)	150,000	128,741
Series 2021-DNA6, Class M2 (1 month SOFR + 1.500%), 2.426%, 10/25/2041 (D)(K)	188,000	171,625
Series 2021-DNA7, Class M1 (1 month SOFR + 0.850%), 1.776%, 11/25/2041 (D)(K)	115,000	111,543
Series 2021-HQA1, Class M2 (1 month SOFR + 2.250%), 3.176%, 08/25/2033 (D)(K)	185,000	171,383
Series 2021-HQA3, Class M2 (1 month SOFR + 2.100%), 3.026%, 09/25/2041 (D)(K)	355,000	310,277
Series 2021-HQA4, Class M1 (1 month SOFR + 0.950%), 1.876%, 12/25/2041 (D)(K)	180,000	174,099
Series 2021-HQA4, Class M2 (1 month SOFR + 2.350%), 3.276%, 12/25/2041 (D)(K)	210,000	181,207
Series 2022-DNA1, Class B1 (1 month SOFR + 3.400%), 4.326%, 01/25/2042 (D)(K)	175,000	147,466
Series 2022-DNA1, Class M2 (1 month SOFR + 2.500%), 3.426%, 01/25/2042 (D)(K)	185,000	156,635
Series 2022-DNA2, Class M1A (1 month SOFR + 1.300%), 2.226%, 02/25/2042 (D)(K)	193,823	189,371
Series 2022-DNA2, Class M2 (1 month SOFR + 3.750%), 4.676%, 02/25/2042 (D)(K)	150,000	134,668
Series 2022-DNA3, Class M1B (1 month SOFR + 2.900%), 3.826%, 04/25/2042 (D)(K)	60,000	56,402

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 2022-DNA5, Class M2 (1 month SOFR + 6.750%), 7.529%, 06/25/2042 (D)(K)	\$ 75,000	\$ 75,430
Series 2022-HQA1, Class M1B (1 month SOFR + 3.500%), 4.426%, 03/25/2042 (D)(K)	20,000	19,099
Series 2022-HQA1, Class M2 (1 month SOFR + 5.250%), 6.176%, 03/25/2042 (D)(K)	560,000	521,054
Series 324, Class C18 IO, 4.000%, 12/15/2033	256,737	30,657
Series 4446, Class BI IO, 6.500%, 04/15/2039	184,164	39,673
Series K066, Class X1 IO, 0.888%, 06/25/2027	1,241,851	38,580
Series K100, Class X3 IO, 1.935%, 11/25/2047	275,000	29,074
Series K103, Class X1 IO, 0.757%, 11/25/2029	1,023,021	40,619
Series K106, Class X3 IO, 1.920%, 03/25/2048	490,000	56,106
Series K111, Class X1 IO, 1.680%, 05/25/2030	99,606	9,837
Series K115, Class X3 IO, 3.060%, 09/25/2048	147,298	27,014
Series K116, Class X3 IO, 3.125%, 09/25/2047	223,880	42,408
Series K122, Class X1 IO, 0.882%, 11/25/2030	99,777	5,808
Series K129, Class X3 IO, 3.281%, 05/25/2031	165,000	35,334
Series K737, Class X1 IO, 0.637%, 10/25/2026	493,400	10,889
Series K738, Class X1 IO, 1.628%, 01/25/2027	649,193	36,466
Series K740, Class X3 IO, 2.481%, 11/25/2047	135,000	14,577
Series K742, Class X3 IO, 2.685%, 04/25/2028	100,000	12,125
Series Q014, Class X IO, 2.797%, 10/25/2055	158,451	32,104
Federal National Mortgage Association		
Series 2014-C02, Class 1M2 (1 month LIBOR + 2.600%), 4.224%, 05/25/2024 (K)	45,070	44,897
Series 2014-C03, Class 1M2 (1 month LIBOR + 3.000%), 4.624%, 07/25/2024 (K)	177,784	177,104
Series 2014-C04, Class 1M2 (1 month LIBOR + 4.900%), 6.524%, 11/25/2024 (K)	70,122	72,101
Series 2017-C01, Class 1B1 (1 month LIBOR + 5.750%), 7.374%, 07/25/2029 (K)	155,000	165,353
Series 2017-C04, Class 2B1 (1 month LIBOR + 5.050%), 6.674%, 11/25/2029 (K)	170,000	174,382
Series 2018-C02, Class 2B1 (1 month LIBOR + 4.000%), 5.624%, 08/25/2030 (K)	60,000	58,715

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2018-C05, Class 1B1 (1 month LIBOR + 4.250%), 5.874%, 01/25/2031 (K)	\$ 230,000	\$ 226,312
Series 2018-C05, Class 1M2 (1 month LIBOR + 2.350%), 3.974%, 01/25/2031 (K)	90,507	89,912
Series 2019-R03, Class 1B1 (1 month LIBOR + 4.100%), 5.724%, 09/25/2031 (D)(K)	75,000	73,900
Series 2019-R05, Class 1B1 (1 month LIBOR + 4.100%), 5.724%, 07/25/2039 (D)(K)	111,301	108,730
Series 2020-26, Class AI IO, 3.000%, 04/25/2033	340,751	23,478
Series 2020-26, Class IA IO, 3.500%, 11/25/2039	317,272	36,746
Series 2020-27, Class NI IO, 4.500%, 05/25/2050	229,513	42,688
Series 2020-35, Class IC IO, 5.000%, 06/25/2050	232,750	39,050
Series 2020-R02, Class 2B1 (1 month LIBOR + 3.000%), 4.624%, 01/25/2040 (D)(K)	152,000	131,268
Series 2022-R02, Class 2B1 (1 month SOFR + 4.500%), 5.426%, 01/25/2042 (D)(K)	175,000	153,403
Series 2022-R03, Class 1B1 (1 month SOFR + 6.250%), 7.176%, 03/25/2042 (D)(K)	69,000	67,385
Series 2022-R03, Class 1M2 (1 month SOFR + 3.500%), 4.426%, 03/25/2042 (D)(K)	59,000	56,130
Series 2022-R04, Class 1B1 (1 month SOFR + 5.250%), 6.176%, 03/25/2042 (D)(K)	165,000	153,851
Series 2022-R05, Class 2B1 (1 month SOFR + 4.500%), 5.426%, 04/25/2042 (D)(K)	70,000	65,274
Series 2022-R06, Class 1M1 (1 month SOFR + 2.750%), 3.698%, 05/25/2042 (D)(K)	78,073	77,876
Series 2022-R07, Class 1M1 (1 month SOFR + 2.950%), 3.876%, 06/25/2042 (D)(K)	65,000	65,152
Series 410, Class C8 IO, 4.000%, 04/25/2032	311,582	35,022
Government National		
Mortgage Association		
Series 2015-62, Class CI IO, 4.500%, 05/20/2045	156,866	27,956
Series 2017-130, Class IO, 4.500%, 02/20/2040	161,946	26,014
Series 2018-168, Class AI IO, 5.000%, 12/16/2048	240,995	48,283
		5,830,229
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$11,000,558)	\$	10,556,714
ASSET BACKED SECURITIES - 5.9%		
AASET Trust, Series 2021-2A, Class A, 2.798%, 01/15/2047 (D)	242,716	206,986

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Apidos CLO XXXII, Series 2019-32A, Class D (3 month LIBOR + 3.500%), 4.563%, 01/20/2033 (D)(K)	\$ 250,000	\$ 237,885
Arbor Realty Commercial Real Estate Notes, Ltd. Series 2021-FL2, Class AS (1 month LIBOR + 1.400%), 2.724%, 05/15/2036 (D)(K)	100,000	96,445
Series 2021-FL3, Class B (1 month LIBOR + 1.600%), 2.924%, 08/15/2034 (D)(K)	110,000	104,242
Ares XXVII CLO, Ltd., Series 2013-2A, Class CR2 (3 month LIBOR + 2.000%), 3.238%, 10/28/2034 (D)(K)	250,000	233,347
Bain Capital Credit CLO, Ltd. Series 2020-5A, Class E (3 month LIBOR + 6.900%), 7.963%, 01/20/2032 (D)(K)	250,000	225,057
Series 2022-3A, Class D (3 month CME Term SOFR + 3.700%), 4.835%, 07/17/2035 (D)(K)	250,000	230,866
Ballyrock CLO, Ltd., Series 2016-1A, Class ER (3 month LIBOR + 6.950%), 7.994%, 10/15/2028 (D)(K)	250,000	232,752
Benefit Street Partners CLO XIX, Ltd., Series 2019-19A, Class E (3 month LIBOR + 7.020%), 8.064%, 01/15/2033 (D)(K)	250,000	226,260
BlueMountain CLO, Ltd., Series 2018-2A, Class D (3 month LIBOR + 3.150%), 4.561%, 08/15/2031 (D)(K)	250,000	215,136
Bojangles Issuer LLC, Series 2020-1A, Class A2, 3.832%, 10/20/2050 (D)	124,688	118,159
Capital One Prime Auto Receivables Trust, Series 2019-2, Class A4, 1.960%, 02/18/2025	50,000	49,500
CF Hippolyta LLC, Series 2020-1, Class B1, 2.280%, 07/15/2060 (D)	234,728	210,557
CoreVest American Finance Trust, Series 2020-4, Class B, 1.707%, 12/15/2052 (D)	100,000	88,978
Covenant Credit Partners CLO III, Ltd., Series 2017-1A, Class C1 (3 month LIBOR + 2.550%), 3.594%, 10/15/2029 (D)(K)	250,000	239,866
DataBank Issuer, Series 2021-1A, Class A2, 2.060%, 02/27/2051 (D)	170,000	153,751
Domino's Pizza Master Issuer LLC, Series 2017-1A, Class A23, 4.118%, 07/25/2047 (D)	181,925	173,836
Elmwood CLO VII, Ltd., Series 2020-4A, Class C (3 month LIBOR + 2.250%), 3.294%, 01/17/2034 (D)(K)	250,000	236,928
Flagship Credit Auto Trust Series 2021-3, Class C, 1.460%, 09/15/2027 (D)	350,000	324,057
Series 2021-3, Class D, 1.650%, 09/15/2027 (D)	112,000	101,187
FRTKL, Series 2021-SFR1, Class E2, 2.522%, 09/17/2038 (D)	132,000	114,334

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Gilbert Park CLO, Ltd., Series 2017-1A, Class B (3 month LIBOR + 1.600%), 2.644%, 10/15/2030 (D)(K)	\$ 280,000	\$ 269,716
Greystone Commercial Real Estate Notes, Ltd., Series 2021-FL3, Class B (1 month LIBOR + 1.650%), 2.974%, 07/15/2039 (D)(K)	100,000	91,271
Harriman Park CLO, Ltd., Series 2020-1A, Class DR (3 month LIBOR + 3.100%), 4.163%, 04/20/2034 (D)(K)	250,000	230,771
Hertz Vehicle Financing LLC, Series 2022-4A, Class C, 4.610%, 09/25/2026 (D)	125,000	122,222
HIN Timeshare Trust, Series 2020-A, Class A, 1.390%, 10/09/2039 (D)	27,295	25,268
Home Partners of America Trust, Series 2022-1, Class D, 4.730%, 04/17/2039 (D)	154,605	148,380
Horizon Aircraft Finance II, Ltd., Series 2019-1, Class A, 3.721%, 07/15/2039 (D)	211,343	187,007
JFIN CLO, Ltd., Series 2016-1A, Class DR (3 month LIBOR + 3.400%), 4.625%, 10/27/2028 (D)(K)	175,000	163,024
KKR CLO, Ltd., Series 2020, Class B (3 month LIBOR + 1.550%), 2.594%, 10/16/2030 (D)(K)	282,000	269,215
LAD Auto Receivables Trust, Series 2021-1A, Class B, 1.940%, 11/16/2026 (D)	85,000	79,868
LCM XXV, Ltd., Series 25A, Class B2 (3 month LIBOR + 1.650%), 2.713%, 07/20/2030 (D)(K)	250,000	239,668
Lendbuzz Securitization Trust, Series 2021-1A, Class A, 1.460%, 06/15/2026 (D)	183,897	178,525
Magnetite XVIII, Ltd., Series 2016-18A, Class BR (3 month LIBOR + 1.500%), 2.911%, 11/15/2028 (D)(K)	250,000	242,352
MAPS Trust, Series 2021-1A, Class A, 2.521%, 06/15/2046 (D)	230,775	200,254
Mercury Financial Credit Card Master Trust, Series 2022-1A, Class A, 2.500%, 09/21/2026 (D)	150,000	142,074
MFA LLC, Series 2021-NPL1, Class A1 (2.363% to 3-25-24, then 5.363% to 3-25-25, then 6.363% thereafter), 2.363%, 03/25/2060 (D)	94,441	90,907
Neuberger Berman CLO XVII, Ltd., Series 2014-17A, Class CR2 (3 month LIBOR + 2.000%), 3.136%, 04/22/2029 (D)(K)	250,000	236,741
Octagon Investment Partners 49, Ltd., Series 2020-5A, Class D (3 month LIBOR + 3.400%), 4.444%, 01/15/2033 (D)(K)	250,000	228,409
OZLM VII, Ltd., Series 2014-7RA, Class CR (3 month LIBOR + 3.000%), 4.044%, 07/17/2029 (D)(K)	250,000	231,113

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Pretium Mortgage Credit Partners LLC, Series 2021-RN1, Class A2 (3.598% to 6-25-25, then 7.598% thereafter), 3.598%, 02/25/2061 (D)	\$ 185,000	\$ 171,638
Progress Residential Trust Series 2021-SFR2, Class D, 2.197%, 04/19/2038 (D)	100,000	89,199
Series 2021-SFR5, Class E1, 2.209%, 07/17/2038 (D)	100,000	86,464
Series 2021-SFR6, Class E2, 2.525%, 07/17/2038 (D)	100,000	85,651
Series 2021-SFR8, Class E2, 2.532%, 10/17/2038 (D)	285,000	242,838
Series 2021-SFR10, Class B, 2.722%, 12/17/2040 (D)	120,000	105,680
Series 2022-SFR1, Class E1, 3.930%, 02/17/2041 (D)	150,000	132,186
Sonic Capital LLC, Series 2020-1A, Class A2I, 3.845%, 01/20/2050 (D)	196,333	185,270
STAR Trust, Series 2022-SFR3, Class D (1 month CME Term SOFR + 2.550%), 4.059%, 05/17/2024 (D)(K)	155,000	152,941
Stratus CLO, Ltd., Series 2021-1A, Class D (3 month LIBOR + 2.500%), 3.563%, 12/29/2029 (D)(K)	250,000	224,980
Summit Issuer LLC, Series 2020-1A, Class A2, 2.290%, 12/20/2050 (D)	55,000	49,926
Symphony CLO XXII, Ltd., Series 2020-22A, Class C (3 month LIBOR + 2.150%), 3.194%, 04/18/2033 (D)(K)	250,000	234,526
Toyota Auto Loan Extended Note Trust, Series 2022-1A, Class A, 3.820%, 04/25/2035 (D)	150,000	148,033
TRTX Issuer, Ltd., Series 2019-FL3, Class D (1 month CME Term SOFR + 2.564%), 4.042%, 10/15/2034 (D)(K)	100,000	98,146
Vericrest Opportunity Loan Transferee, Series 2021-NP11, Class A1 (1.868% to 7-25-24, then 4.868% to 7-25-25, then 5.868% thereafter), 1.868%, 08/25/2051 (D)	200,530	185,773
Verus Securitization Trust, Series 2020-NPL1, Class A1 (3.598% to 9-25-23, then 6.598% to 9-25-24, then 7.598% thereafter), 3.598%, 08/25/2050 (D)	5,862	5,849
VOLT C LLC, Series 2021-NPL9, Class A1 (1.992% to 4-25-24, then 4.992% to 4-25-25, then 5.992% thereafter), 1.992%, 05/25/2051 (D)	54,710	51,878
VOLT XCIV LLC, Series 2021-NPL3, Class A1 (2.240% to 1-25-24, then 5.239% to 1-25-25, then 6.239% thereafter), 2.240%, 02/27/2051 (D)	141,275	134,184
VOLT XCVI LLC, Series 2021-NPL5, Class A1 (2.116% to 2-25-24, then 5.116% to 2-25-25, then 6.116% thereafter), 2.116%, 03/27/2051 (D)	75,537	72,094

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Voya CLO, Ltd., Series 2013-3A, Class BRR (3 month LIBOR + 2.250%), 3.294%, 10/18/2031 (D)(K)	\$ 250,000	\$ 235,395
Westlake Automobile Receivables Trust, Series 2020-3A, Class B, 0.780%, 11/17/2025 (D)	140,000	138,420
TOTAL ASSET BACKED SECURITIES (Cost \$10,760,740)		\$ 10,027,985
PREFERRED SECURITIES - 0.1%		
United States - 0.1%		
Becton, Dickinson and Company, 6.000%	1,136	56,187
Fluor Corp., 6.500%	5	5,897
		62,084
TOTAL PREFERRED SECURITIES (Cost \$64,958)		\$ 62,084
EXCHANGE-TRADED FUNDS - 4.6%		
iShares JP Morgan USD Emerging Markets Bond ETF	86,500	7,380,180
SPDR Bloomberg Convertible Securities ETF (H)	7,600	490,656
TOTAL EXCHANGE-TRADED FUNDS (Cost \$10,332,632)		\$ 7,870,836
SHORT-TERM INVESTMENTS - 5.7%		
Short-term funds - 5.7%		
John Hancock Collateral Trust, 1.4215% (M)(N)	40,115	401,009
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.7415% (M)	9,284,646	9,284,646
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,685,729)		\$ 9,685,655
Total Investments (Opportunistic Fixed Income Trust) (Cost \$212,117,541) - 103.0%		\$ 175,073,108
Other assets and liabilities, net - (3.0%)		(5,152,661)
TOTAL NET ASSETS - 100.0%		\$ 169,920,447

Currency Abbreviations

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

Opportunistic Fixed Income Trust (continued)

PEN	Peruvian Nuevo Sol
PLN	Polish Zloty
RON	Romanian New Leu
RUB	Russian Ruble
THB	Thai Bhat
TRY	Turkish Lira
UYU	Uruguayan Peso
ZAR	South African Rand
Security Abbreviations and Legend	
CME	Chicago Mercantile Exchange
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
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 segregated at the custodian as collateral for certain derivatives.
(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 \$39,997,003 or 23.5% of the fund's net assets as of 6-30-22.
(E)	Non-income producing - Issuer is in default.
(F)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(G)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(H)	All or a portion of this security is on loan as of 6-30-22.
(I)	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.
(J)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(K)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(L)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(M)	The rate shown is the annualized seven-day yield as of 6-30-22.
(N)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Opportunistic Fixed Income Trust (continued)

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
10-Year Australian Treasury Bond Futures	46	Long	Sep 2022	\$3,699,936	\$3,792,678	\$92,742
10-Year U.S. Treasury Note Futures	104	Long	Sep 2022	12,234,206	12,327,250	93,044
5-Year U.S. Treasury Note Futures	73	Long	Sep 2022	8,225,021	8,194,250	(30,771)
Euro SCHATZ Futures	1	Long	Sep 2022	114,574	114,379	(195)
Ultra U.S. Treasury Bond Futures	27	Long	Sep 2022	4,192,307	4,167,281	(25,026)
Ultra U.S. Treasury Bond Futures	2	Long	Sep 2022	255,919	254,750	(1,169)
10-Year Japan Government Bond Future	7	Short	Sep 2022	(7,667,888)	(7,667,084)	804
2-Year U.S. Treasury Note Futures	12	Short	Sep 2022	(2,535,297)	(2,520,188)	15,109
Euro-Buxl Futures	20	Short	Sep 2022	(3,596,113)	(3,428,054)	168,059
German Euro BOBL Futures	18	Short	Sep 2022	(2,346,454)	(2,342,608)	3,846
German Euro BUND Futures	38	Short	Sep 2022	(6,000,977)	(5,924,732)	76,245
U.S. Treasury Long Bond Futures	79	Short	Sep 2022	(11,086,222)	(10,951,375)	134,847
						\$527,535

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
AUD 2,112,000	USD 1,461,844	BARC	7/29/2022	—	\$(3,791)
BRL 62,099,000	USD 12,072,032	CITI	7/5/2022	—	(206,246)
BRL 5,340,000	USD 1,043,376	JPM	7/5/2022	—	(23,017)
BRL 14,205,000	USD 2,690,851	CITI	8/2/2022	\$162	—
CAD 930,000	USD 722,046	JPM	7/29/2022	440	—
CHF 143,000	USD 149,082	BOA	7/29/2022	931	—
CLP 333,955,000	USD 369,992	SSB	7/29/2022	—	(8,022)
COP 11,116,650,000	USD 2,696,187	CITI	7/29/2022	—	(30,273)
EUR 62,000	USD 65,822	BOA	7/29/2022	—	(747)
EUR 134,000	USD 140,691	BARC	7/29/2022	—	(45)
EUR 448,000	USD 471,892	JPM	7/29/2022	—	(1,673)
EUR 89,000	USD 93,136	MSI	7/29/2022	278	—
GBP 2,252,000	USD 2,745,912	JPM	7/29/2022	—	(3,445)
HUF 1,038,311,000	USD 2,731,176	BOA	7/29/2022	2,695	—
IDR 40,712,240,000	USD 2,737,601	CITI	7/29/2022	—	(16,225)
JPY 1,207,033,000	USD 8,988,759	JPM	7/29/2022	—	(79,951)
MXN 55,236,000	USD 2,762,532	CITI	7/29/2022	—	(27,694)
MXN 16,688,000	USD 824,805	GSI	7/29/2022	1,449	—
NOK 21,520,000	USD 2,168,923	JPM	7/29/2022	16,865	—
NZD 2,245,000	USD 1,414,643	JPM	7/29/2022	—	(12,778)
PHP 59,238,000	USD 1,083,655	CITI	7/29/2022	—	(8,115)
PLN 8,452,000	USD 1,884,294	BARC	7/29/2022	—	(4,740)
SEK 37,938,000	USD 3,730,952	JPM	7/29/2022	—	(19,381)
THB 39,960,000	USD 1,132,011	JPM	7/27/2022	—	(840)
TRY 11,739,000	USD 653,528	GSI	7/29/2022	38,335	—
USD 3,144,487	AUD 4,543,000	BARC	7/29/2022	8,154	—
USD 12,632,603	BRL 62,099,000	CITI	7/5/2022	766,812	—
USD 1,019,473	BRL 5,340,000	JPM	7/5/2022	—	(886)
USD 8,226,747	BRL 43,429,000	CITI	8/2/2022	—	(497)
USD 4,832,271	CAD 6,224,000	JPM	7/29/2022	—	(2,942)
USD 2,329,535	CLP 2,114,286,000	CITI	7/29/2022	37,885	—
USD 153,503	CLP 141,376,000	GSI	7/29/2022	267	—
USD 2,715,191	CZK 64,252,000	CITI	7/29/2022	2,057	—
USD 279,609	EUR 264,000	BOA	7/29/2022	2,516	—
USD 20,121,652	EUR 19,101,154	JPM	7/29/2022	73,157	—
USD 708,426	GBP 581,000	JPM	7/29/2022	889	—
USD 258,405	HKD 2,026,000	GSI	7/29/2022	23	—
USD 1,819,319	IDR 27,056,000,000	CITI	7/29/2022	10,783	—
USD 2,750,229	INR 215,893,000	MSI	7/29/2022	22,807	—
USD 5,802,409	JPY 779,162,000	JPM	7/29/2022	51,610	—
USD 14,407,964	KRW 18,795,895,000	MSI	7/29/2022	—	(179,896)
USD 2,370,528	MXN 47,398,000	CITI	7/29/2022	23,764	—
USD 2,507,465	NOK 24,879,000	JPM	7/29/2022	—	(19,497)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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	8,277,397	NZD	13,136,000	JPM	7/29/2022	\$74,768	—
USD	1,974,382	PEN	7,445,000	SSB	7/27/2022	34,462	—
USD	2,675,998	SGD	3,722,000	BARC	7/29/2022	—	\$(3,093)
USD	90,021	TRY	1,617,000	GSI	7/29/2022	—	(5,280)
USD	2,249,835	ZAR	36,068,000	MSI	7/29/2022	38,287	—
						\$1,209,396	\$(659,074)

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	2,550,000	CAD	CAD CORRA Compounded OIS	Fixed 0.013%	Semi-Annual	Semi-Annual	Sep 2026	—	\$(151,754)	\$(151,754)
Centrally cleared	2,550,000	CAD	CAD CORRA Compounded OIS	Fixed 0.013%	Semi-Annual	Semi-Annual	Sep 2026	—	(151,154)	(151,154)
Centrally cleared	2,935,000	CAD	CAD CDOR	Fixed 1.283%	Semi-Annual	Semi-Annual	Nov 2026	—	(181,313)	(181,313)
Centrally cleared	2,415,000	CAD	CAD CDOR	Fixed 1.266%	Semi-Annual	Semi-Annual	Nov 2026	—	(150,486)	(150,486)
Centrally cleared	7,990,000	CAD	CAD CORRA Compounded OIS	Fixed 1.530%	Semi-Annual	Semi-Annual	Dec 2026	—	(390,195)	(390,195)
Centrally cleared	52,320,000	MXN	MXN TIIE Banxico	Fixed 7.840%	Monthly	Monthly	Mar 2027	\$2,487	(118,398)	(115,911)
Centrally cleared	8,500,000	NZD	NZD BBR FRA	Fixed 2.660%	Semi-Annual	Quarterly	Mar 2027	(18,860)	(258,613)	(277,473)
Centrally cleared	6,540,000	NZD	NZD BBR FRA	Fixed 2.750%	Semi-Annual	Quarterly	Mar 2027	6,402	(203,121)	(196,719)
Centrally cleared	783,430,000	HUF	HUF BUBOR Reuters	Fixed 5.130%	Annual	Semi-Annual	Mar 2027	1,312	(273,052)	(271,740)
Centrally cleared	1,433,300,000	HUF	HUF BUBOR Reuters	Fixed 5.000%	Annual	Semi-Annual	Mar 2027	8,392	(524,120)	(515,728)
Centrally cleared	64,529,200	MXN	MXN TIIE Banxico	Fixed 7.130%	Monthly	Monthly	Jun 2031	22,318	(371,704)	(349,386)
Centrally cleared	66,070,000	MXN	MXN TIIE Banxico	Fixed 6.940%	Monthly	Monthly	Sep 2031	(1,092)	(402,431)	(403,523)
Centrally cleared	6,650,000	CAD	CAD CDOR	Fixed 3.389%	Semi-Annual	Semi-Annual	Sep 2037	—	(115,527)	(115,527)
Centrally cleared	200,000	GBP	Fixed 1.382%	GBP SONIA Compounded OIS	Annual	Annual	Sep 2052	—	41,243	41,243
Centrally cleared	270,000	GBP	Fixed 0.840%	GBP SONIA Compounded OIS	Annual	Annual	Sep 2071	(15,823)	128,274	112,451
								\$5,136	\$(3,122,351)	\$(3,117,215)

Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
BARC	Federative Republic of Brazil	2,050,000	USD	\$2,050,000	1.000%	Quarterly	Dec 2026	\$111,993	\$27,545	\$139,538
JPM	Republic of Korea	9,630,000	USD	9,630,000	1.000%	Quarterly	Dec 2024	(163,403)	24,801	(138,602)
MSI	Government of Japan	9,570,000	USD	9,570,000	1.000%	Quarterly	Dec 2024	(172,958)	(30,850)	(203,808)
MSI	CMBX.NA.BBB-.12	250,000	USD	250,000	3.000%	Monthly	Aug 2061	16,753	27,262	44,015
MSI	CMBX.NA.BBB-.13	60,000	USD	60,000	3.000%	Monthly	Dec 2072	3,504	8,514	12,018
								\$21,560,000	\$(204,111)	\$(146,839)

Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
GSI	CMBX.NA.BBB-.11	6.953%	210,000	USD	\$210,000	3.000%	Monthly	Nov 2054	\$(26,548)	\$(6,733)	\$(33,281)
GSI	CMBX.NA.BBB-.12	6.852%	210,000	USD	210,000	3.000%	Monthly	Aug 2061	(26,847)	(10,126)	(36,973)
GSI	CMBX.NA.BBB-.12	6.852%	210,000	USD	210,000	3.000%	Monthly	Aug 2061	(29,741)	(7,232)	(36,973)
								\$630,000	\$(83,136)	\$(24,091)	\$(107,227)
Centrally cleared	CDX.NA.HY.38	5.749%	8,339,521	USD	8,339,521	5.000%	Quarterly	Jun 2027	18,590	(248,275)	(229,685)
Centrally cleared	iTraxx Europe Series 37 Version 1	1.185%	4,215,000	EUR	4,431,573	1.000%	Quarterly	Jun 2027	2,246	(38,921)	(36,675)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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
Centrally cleared	iTraxx Europe Series 37 Version 1	5.805%	1,590,000	EUR	\$1,677,107	5.000%	Quarterly	Jun 2027	\$(5,275)	\$(44,233)	\$(49,508)
					\$14,448,201				\$15,561	\$(331,429)	\$(315,868)
					\$15,078,201				\$(67,575)	\$(355,520)	\$(423,095)

Total return swaps

Pay/ receive total return*	Reference entity	Floating/ fixed rate	Payment frequency	Currency	Notional amount	Maturity date	Counterparty (OTC)	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	1,385,000	Mar 2023	GSI	—	\$64,818	\$64,818
Pay	iBoxx \$ Liquid Investment Grade Index	1-Day USD Compounded SOFR	At Maturity	USD	5,100,000	Mar 2023	GSI	—	(80,135)	(80,135)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	4,620,000	Mar 2023	MSI	—	322,219	322,219
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	4,660,000	Mar 2023	MSI	—	285,636	285,636
Receive	Loan Index	1-Day USD Compounded SOFR	At Maturity	USD	1,365,000	Mar 2023	MSI	—	(29,826)	(29,826)
								—	\$562,712	\$562,712

* 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.

Inflation swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	USD notional amount	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
BARC	2,970,000	USD	\$2,970,000	Fixed 3.243%	USA CPI All Urban Consumers	At Maturity	At Maturity	Apr 2027	—	\$(9,199)	\$(9,199)
BARC	2,990,000	USD	2,990,000	Fixed 3.243%	USA CPI All Urban Consumers	At Maturity	At Maturity	Apr 2027	—	—	—
BOA	640,000	USD	640,000	Fixed 1.635%	USA CPI All Urban Consumers	At Maturity	At Maturity	Feb 2050	—	158,933	158,933
CITI	780,000	USD	780,000	Fixed 2.578%	USA CPI All Urban Consumers	At Maturity	At Maturity	Feb 2051	—	7,749	7,749
JPM	2,330,000	USD	2,330,000	Fixed 1.830%	USA CPI All Urban Consumers	At Maturity	At Maturity	Feb 2050	\$(55,868)	526,246	470,378
			\$9,710,000						\$(55,868)	\$683,729	\$627,861

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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
COP	Colombian Peso
CZK	Czech Republic Koruna
EUR	Euro
GBP	Pound Sterling
HKD	Hong Kong Dollar
HUF	Hungarian Forint
IDR	Indonesian Rupiah
INR	Indian Rupee
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
NOK	Norwegian Krone
NZD	New Zealand Dollar
PEN	Peruvian Nuevo Sol
PHP	Philippine Peso
PLN	Polish Zloty
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
BBR	Bank Bill Rate
BOA	Bank of America, N.A.
BUBOR	Budapest Interbank Offered Rate
CDOR	Canadian Dollar Offered Rate
CITI	Citibank, N.A.
CORRA	Canadian Overnight Repo Rate Average
CPI	Consumer Price Index
GSI	Goldman Sachs International
JPM	JPMorgan Chase Bank, N.A.
MSI	Morgan Stanley & Co. International PLC
OIS	Overnight Index Swap
OTC	Over-the-counter
SOFR	Secured Overnight Financing Rate
SONIA	Sterling Overnight Interbank Average Rate
SSB	State Street Bank and Trust Company
TIIE	Tasa de Interes Interbancario de Equilibrio (Interbank Equilibrium Interest Rate)

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

Select Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 37.1%		
U.S. Government – 14.7%		
U.S. Treasury Bonds		
2.250%, 02/15/2052	\$ 515,145,000	\$ 423,948,226
2.500%, 02/15/2045	83,239,000	70,597,077
2.875%, 05/15/2052	67,168,000	63,442,275
3.000%, 02/15/2047	37,979,000	35,464,375
3.250%, 05/15/2042	82,802,000	80,809,577

Select Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes		
2.625%, 05/31/2027	\$ 4,406,000	\$ 4,322,699
2.875%, 05/15/2032	270,428,000	267,385,685
		945,969,914
U.S. Government Agency – 22.4%		
Federal Home Loan Mortgage Corp.		
2.000%, 11/01/2051 to 03/01/2052	91,949,498	80,107,447

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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 (continued)		
Federal Home Loan Mortgage Corp. (continued)		
2.500%, 08/01/2050 to 12/01/2051	\$ 99,359,689	\$ 90,252,439
3.000%, 03/01/2043 to 12/01/2049	101,531,555	96,137,400
3.500%, 04/01/2044 to 03/01/2052	69,467,784	68,053,695
4.000%, 03/01/2048 to 08/01/2048	14,167,749	14,184,502
Federal National Mortgage Association		
2.000%, 09/01/2050 to 02/01/2052	85,078,293	74,339,197
2.500%, 09/01/2050 to 03/01/2052	234,689,099	212,277,366
3.000%, 01/01/2043 to 02/01/2052	202,041,283	190,511,046
3.500%, 06/01/2042 to 04/01/2052	173,923,434	170,046,336
4.000%, TBA (A)	218,902,000	215,789,389
4.000%, 09/01/2040 to 04/01/2052	159,901,820	161,287,256
4.500%, TBA (A)	34,822,000	34,949,866
4.500%, 12/01/2040 to 05/01/2042	34,866,064	36,063,665
Government National Mortgage Association		
4.000%, 10/15/2039 to 11/15/2041	2,794,206	2,823,911
		1,446,823,515
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,545,000,082)		\$ 2,392,793,429
FOREIGN GOVERNMENT OBLIGATIONS – 0.1%		
Qatar – 0.1%		
State of Qatar		
5.103%, 04/23/2048 (B)	8,410,000	8,801,789
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$8,410,000)		\$ 8,801,789
CORPORATE BONDS – 34.7%		
Communication services – 2.8%		
AT&T, Inc.		
3.500%, 06/01/2041	12,200,000	9,741,418
3.650%, 06/01/2051	10,434,000	8,160,726
Charter Communications Operating LLC		
4.200%, 03/15/2028	13,245,000	12,374,804
4.800%, 03/01/2050	15,472,000	12,259,396
5.750%, 04/01/2048	16,696,000	14,965,538
6.484%, 10/23/2045	13,673,000	13,292,476
Level 3 Financing, Inc.		
3.400%, 03/01/2027 (B)	6,456,000	5,560,736
Magallanes, Inc.		
4.279%, 03/15/2032 (B)	12,653,000	11,308,523
Take-Two Interactive Software, Inc.		
3.550%, 04/14/2025	4,169,000	4,100,575
Telefonica Emisiones SA		
5.213%, 03/08/2047	13,059,000	11,573,177
T-Mobile USA, Inc.		
2.050%, 02/15/2028	12,548,000	10,894,047
2.550%, 02/15/2031	4,824,000	4,059,127
3.400%, 10/15/2052	16,859,000	12,449,850
3.750%, 04/15/2027	6,507,000	6,265,718
3.875%, 04/15/2030	13,891,000	12,963,860
4.500%, 04/15/2050	8,048,000	7,141,019
Verizon Communications, Inc.		
4.329%, 09/21/2028	17,379,000	17,284,357
4.400%, 11/01/2034	7,740,000	7,416,525
		181,811,872
Consumer discretionary – 3.1%		
Amazon.com, Inc.		
4.050%, 08/22/2047	9,136,000	8,551,320
Aptiv PLC		
3.250%, 03/01/2032	3,289,000	2,794,303

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
AutoNation, Inc.		
4.750%, 06/01/2030	\$ 4,925,000	\$ 4,632,893
Booking Holdings, Inc.		
4.625%, 04/13/2030	9,246,000	9,193,136
Choice Hotels International, Inc.		
3.700%, 12/01/2029 to 01/15/2031	13,967,000	12,499,668
Dollar Tree, Inc.		
4.200%, 05/15/2028	16,502,000	16,029,434
eBay, Inc.		
2.700%, 03/11/2030	12,556,000	10,730,055
Expedia Group, Inc.		
2.950%, 03/15/2031	6,373,000	5,069,074
3.250%, 02/15/2030	9,735,000	8,118,785
3.800%, 02/15/2028	16,524,000	15,059,280
4.625%, 08/01/2027	8,713,000	8,371,046
5.000%, 02/15/2026	10,710,000	10,708,987
General Motors Financial Company, Inc.		
2.400%, 10/15/2028	17,219,000	14,300,741
3.600%, 06/21/2030	20,346,000	17,579,202
4.350%, 01/17/2027	8,868,000	8,507,135
Hyundai Capital America		
1.000%, 09/17/2024 (B)	8,719,000	8,090,988
1.800%, 10/15/2025 (B)	4,018,000	3,674,789
2.375%, 10/15/2027 (B)	4,018,000	3,534,567
Marriott International, Inc.		
2.850%, 04/15/2031	9,027,000	7,485,918
4.625%, 06/15/2030	5,210,000	4,994,745
4.650%, 12/01/2028	13,237,000	12,942,008
Nissan Motor Acceptance Company LLC		
1.125%, 09/16/2024 (B)	4,380,000	4,025,456
		196,893,530
Consumer staples – 0.6%		
Anheuser-Busch InBev Worldwide, Inc.		
4.600%, 04/15/2048	10,094,000	9,062,318
JBS USA LUX SA		
5.125%, 02/01/2028 (B)	3,366,000	3,286,966
5.750%, 04/01/2033 (B)	9,181,000	8,742,974
Kraft Heinz Foods Company		
4.375%, 06/01/2046	10,167,000	8,473,232
5.000%, 06/04/2042	3,892,000	3,555,715
5.500%, 06/01/2050	6,031,000	5,789,242
		38,910,447
Energy – 2.9%		
Aker BP ASA		
3.000%, 01/15/2025 (B)	6,211,000	5,998,193
3.750%, 01/15/2030 (B)	4,847,000	4,342,263
4.000%, 01/15/2031 (B)	10,984,000	9,866,287
Continental Resources, Inc.		
4.900%, 06/01/2044	4,181,000	3,291,659
Diamondback Energy, Inc.		
3.125%, 03/24/2031	5,548,000	4,832,044
Enbridge, Inc. (5.750% to 4-15-30, then 5 Year CMT + 5.314%) 07/15/2080	8,820,000	8,064,302
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.641%) 03/01/2078	8,767,000	7,803,845
Energy Transfer LP		
4.200%, 04/15/2027	4,899,000	4,702,797
5.150%, 03/15/2045	5,400,000	4,617,227
5.250%, 04/15/2029	17,785,000	17,615,270
5.400%, 10/01/2047	8,136,000	7,138,315
5.500%, 06/01/2027	7,447,000	7,558,782
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.033%) 08/16/2077	12,660,000	10,517,688

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
EQT Corp. 7.500%, 02/01/2030	\$ 2,886,000	\$ 3,097,804
Kinder Morgan Energy Partners LP 7.750%, 03/15/2032	4,555,000	5,311,384
Lundin Energy Finance BV 3.100%, 07/15/2031 (B)	8,003,000	6,620,730
Midwest Connector Capital Company LLC 3.900%, 04/01/2024 (B)	9,512,000	9,334,407
MPLX LP 4.000%, 03/15/2028	6,705,000	6,369,273
4.125%, 03/01/2027	2,551,000	2,466,355
4.250%, 12/01/2027	4,887,000	4,715,837
Ovintiv, Inc. 7.200%, 11/01/2031	1,177,000	1,286,902
Sabine Pass Liquefaction LLC 4.200%, 03/15/2028	4,128,000	3,970,139
4.500%, 05/15/2030	13,283,000	12,729,335
5.000%, 03/15/2027	7,297,000	7,314,657
Targa Resources Corp. 4.950%, 04/15/2052	9,104,000	7,801,672
Targa Resources Partners LP 4.000%, 01/15/2032	7,449,000	6,374,556
The Williams Companies, Inc. 3.750%, 06/15/2027	9,700,000	9,262,529
TransCanada PipeLines, Ltd. 4.250%, 05/15/2028	6,220,000	6,052,049
		189,056,301
Financials – 10.8%		
Ares Capital Corp. 2.150%, 07/15/2026	11,802,000	9,891,394
2.875%, 06/15/2028	6,780,000	5,371,394
3.875%, 01/15/2026	8,615,000	7,911,499
4.200%, 06/10/2024	6,463,000	6,345,577
Ascot Group, Ltd. 4.250%, 12/15/2030 (B)	4,815,000	4,344,979
Athene Holding, Ltd. 3.500%, 01/15/2031	14,028,000	11,875,960
Australia & New Zealand Banking Group, Ltd. (6.750% to 6-15-26, then 5 Year ICE Swap Rate + 5.168%) 06/15/2026 (B)(C)	3,040,000	2,986,800
AXA SA 8.600%, 12/15/2030	2,474,000	2,900,594
Banco Santander SA 4.379%, 04/12/2028	7,600,000	7,350,036
Bank of America Corp. 3.248%, 10/21/2027	9,341,000	8,779,763
3.950%, 04/21/2025	11,322,000	11,166,924
Bank of America Corp. (2.087% to 6-14-28, then SOFR + 1.060%) 06/14/2029	12,755,000	10,923,143
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	12,322,000	10,450,819
Bank of America Corp. (2.687% to 4-22-31, then SOFR + 1.320%) 04/22/2032	19,364,000	16,256,424
Bank of America Corp. (3.846% to 3-8-32, then 5 Year CMT + 2.000%) 03/08/2037	9,199,000	7,951,148
Bank of America Corp. (4.271% to 7-23-28, then 3 month LIBOR + 1.310%) 07/23/2029	17,187,000	16,513,492

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Barclays PLC 4.375%, 01/12/2026	\$ 7,380,000	\$ 7,304,018
Blackstone Private Credit Fund 2.350%, 11/22/2024 (B)	7,493,000	6,887,659
2.700%, 01/15/2025 (B)	5,893,000	5,377,148
3.250%, 03/15/2027 (B)	1,690,000	1,433,833
4.000%, 01/15/2029 (B)	8,340,000	6,834,187
BPCE SA 4.500%, 03/15/2025 (B)	7,805,000	7,673,964
Citigroup, Inc. 3.200%, 10/21/2026	14,418,000	13,719,367
4.600%, 03/09/2026	17,394,000	17,415,991
Citigroup, Inc. (2.561% to 5-1-31, then SOFR + 1.167%) 05/01/2032	5,665,000	4,664,347
Citizens Financial Group, Inc. 3.250%, 04/30/2030	12,256,000	10,875,503
CNA Financial Corp. 2.050%, 08/15/2030	4,015,000	3,228,903
CNO Financial Group, Inc. 5.250%, 05/30/2029	10,165,000	9,855,629
Credit Agricole SA 2.811%, 01/11/2041 (B)	5,816,000	4,014,704
3.250%, 01/14/2030 (B)	12,902,000	10,958,247
Deutsche Bank AG (2.311% to 11-16-26, then SOFR + 1.219%) 11/16/2027	7,009,000	6,048,642
Deutsche Bank AG (2.552% to 1-7-27, then SOFR + 1.318%) 01/07/2028	11,487,000	9,943,255
Discover Financial Services 4.100%, 02/09/2027	4,203,000	4,030,895
Hercules Capital, Inc. 2.625%, 09/16/2026	3,059,000	2,640,210
Jefferies Group LLC 4.150%, 01/23/2030	9,200,000	8,264,768
4.850%, 01/15/2027	6,189,000	6,191,122
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	12,793,000	10,896,035
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	12,141,000	10,482,341
JPMorgan Chase & Co. (2.963% to 1-25-32, then SOFR + 1.260%) 01/25/2033	2,313,000	1,985,389
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.245%) 01/29/2027	11,699,000	11,414,134
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (C)	9,375,000	7,917,385
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (C)	12,306,000	12,388,143
Lazard Group LLC 4.375%, 03/11/2029	7,100,000	6,775,783
Liberty Mutual Group, Inc. 5.500%, 06/15/2052 (B)	7,364,000	6,975,047
Lloyds Banking Group PLC 4.450%, 05/08/2025	19,070,000	19,086,612
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (C)	3,746,000	3,355,912
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (B)	6,523,000	5,688,606
4.875%, 06/10/2025 (B)	7,810,000	7,794,320

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.205%) 12/15/2036	\$ 7,277,000	\$ 7,315,277
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 04/08/2038 (B)	2,567,000	3,015,988
Morgan Stanley 3.875%, 01/27/2026	8,532,000	8,402,775
Morgan Stanley (2.239% to 7-21-31, then SOFR + 1.178%) 07/21/2032	4,486,000	3,634,120
Morgan Stanley (2.484% to 9-16-31, then SOFR + 1.360%) 09/16/2036	14,062,000	10,812,568
NatWest Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	4,512,000	4,333,287
NatWest Markets PLC 1.600%, 09/29/2026 (B)	12,231,000	10,773,486
New York Life Insurance Company 3.750%, 05/15/2050 (B)	5,384,000	4,397,485
Nippon Life Insurance Company (2.750% to 1-21-31, then 5 Year CMT + 2.653%) 01/21/2051 (B)	13,599,000	10,998,191
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year U.S. Swap Rate + 3.650%) 10/16/2044 (B)	5,325,000	5,271,784
Ohio National Financial Services, Inc. 5.800%, 01/24/2030 (B)	1,334,000	1,284,217
PNC Bank NA 4.050%, 07/26/2028	2,690,000	2,603,275
Prudential Financial, Inc. (5.125% to 11-28-31, then 5 Year CMT + 3.162%) 03/01/2052	4,543,000	4,193,870
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.175%) 09/15/2042	14,691,000	14,422,889
S&P Global, Inc. 4.750%, 08/01/2028 (B)	3,484,000	3,539,801
Santander Holdings USA, Inc. 3.244%, 10/05/2026	16,909,000	15,856,864
3.450%, 06/02/2025	15,455,000	14,861,689
3.500%, 06/07/2024	11,289,000	11,092,584
4.400%, 07/13/2027	3,574,000	3,435,884
Santander Holdings USA, Inc. (2.490% to 1-6-27, then SOFR + 1.249%) 01/06/2028	7,238,000	6,388,192
SBL Holdings, Inc. 5.000%, 02/18/2031 (B)	7,908,000	6,585,436
Societe Generale SA (6.221% to 6-15-32, then 1 Year CMT + 3.200%) 06/15/2033 (B)	4,310,000	4,113,713
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (B)	9,222,000	8,208,420
The Goldman Sachs Group, Inc. 3.850%, 01/26/2027	19,136,000	18,498,753
The Goldman Sachs Group, Inc. (2.615% to 4-22-31, then SOFR + 1.281%) 04/22/2032	23,362,000	19,395,955
The Goldman Sachs Group, Inc. (2.650% to 10-21-31, then SOFR + 1.264%) 10/21/2032	9,012,000	7,426,222
The PNC Financial Services Group, Inc. (3 month LIBOR + 3.678%) 08/01/2022 (C)(D)	11,183,000	10,763,601

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The PNC Financial Services Group, Inc. (3.400% to 9-15-26, then 5 Year CMT + 2.595%) 09/15/2026 (C)	\$ 12,274,000	\$ 9,319,911
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (C)	4,314,000	3,881,106
Unum Group 4.125%, 06/15/2051	3,701,000	2,729,542
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	19,183,000	17,178,931
Wells Fargo & Company (2.879% to 10-30-29, then SOFR + 1.432%) 10/30/2030	14,423,000	12,683,235
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	9,762,000	7,559,836
Wells Fargo & Company (3.350% to 3-2-32, then SOFR + 1.500%) 03/02/2033	6,720,000	5,963,767
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (C)	22,240,000	21,681,776
		695,766,475
Health care – 1.9%		
AbbVie, Inc. 3.200%, 11/21/2029	25,645,000	23,591,885
AmerisourceBergen Corp. 2.800%, 05/15/2030	9,144,000	7,993,109
CVS Health Corp. 3.750%, 04/01/2030	7,993,000	7,476,313
4.300%, 03/25/2028	4,269,000	4,223,832
5.050%, 03/25/2048	7,278,000	6,966,851
Elevance Health, Inc. 2.250%, 05/15/2030	1,588,000	1,356,931
2.875%, 09/15/2029	1,663,000	1,498,219
Fresenius Medical Care US Finance III, Inc. 2.375%, 02/16/2031 (B)	13,464,000	10,644,058
3.750%, 06/15/2029 (B)	12,965,000	11,705,742
HCA, Inc. 4.125%, 06/15/2029	13,127,000	11,969,007
Royalty Pharma PLC 1.750%, 09/02/2027	4,117,000	3,509,511
Universal Health Services, Inc. 1.650%, 09/01/2026 (B)	7,142,000	6,193,965
2.650%, 10/15/2030 (B)	7,813,000	6,248,405
Viatis, Inc. 2.300%, 06/22/2027	4,139,000	3,575,441
2.700%, 06/22/2030	9,367,000	7,517,590
4.000%, 06/22/2050	10,136,000	6,786,935
		121,257,794
Industrials – 4.6%		
Adani Ports & Special Economic Zone, Ltd. 3.100%, 02/02/2031 (B)	6,679,000	5,207,856
AerCap Ireland Capital DAC 1.650%, 10/29/2024	6,534,000	6,033,050
1.750%, 01/30/2026	9,702,000	8,479,869
2.450%, 10/29/2026	22,170,000	19,304,812
2.875%, 08/14/2024	9,926,000	9,455,491
Air Canada 2013-1 Class A Pass Through Trust 4.125%, 05/15/2025 (B)	2,586,502	2,410,645

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Air Canada 2017-1 Class B Pass Through Trust 3.700%, 01/15/2026 (B)	\$ 3,720,926	\$ 3,496,690
Air Lease Corp. 2.100%, 09/01/2028	4,481,000	3,592,267
2.875%, 01/15/2026	4,391,000	4,030,481
3.625%, 12/01/2027	4,932,000	4,400,237
Alaska Airlines 2020-1 Class B Pass Through Trust 8.000%, 08/15/2025 (B)	5,686,295	5,990,222
American Airlines 2016-1 Class A Pass Through Trust 4.100%, 01/15/2028	7,691,872	6,376,633
American Airlines 2016-1 Class AA Pass Through Trust 3.575%, 01/15/2028	6,735,392	6,236,406
American Airlines 2017-1 Class A Pass Through Trust 4.000%, 02/15/2029	5,116,913	4,479,478
American Airlines 2017-1 Class AA Pass Through Trust 3.650%, 02/15/2029	5,881,988	5,363,283
American Airlines 2017-2 Class A Pass Through Trust 3.600%, 10/15/2029	4,477,758	3,949,983
American Airlines 2019-1 Class A Pass Through Trust 3.500%, 02/15/2032	4,698,588	3,786,258
American Airlines 2019-1 Class AA Pass Through Trust 3.150%, 02/15/2032	7,038,967	6,222,441
American Airlines 2021-1 Class A Pass Through Trust 2.875%, 07/11/2034	4,290,000	3,652,104
Ashtead Capital, Inc. 1.500%, 08/12/2026 (B)	4,620,000	4,034,292
4.250%, 11/01/2029 (B)	4,031,000	3,546,322
British Airways 2013-1 Class A Pass Through Trust 4.625%, 06/20/2024 (B)	2,364,538	2,323,763
British Airways 2018-1 Class A Pass Through Trust 4.125%, 09/20/2031 (B)	1,486,048	1,312,958
British Airways 2020-1 Class A Pass Through Trust 4.250%, 11/15/2032 (B)	2,471,732	2,375,982
British Airways 2020-1 Class B Pass Through Trust 8.375%, 11/15/2028 (B)	3,332,293	3,492,501
CoStar Group, Inc. 2.800%, 07/15/2030 (B)	10,366,000	8,630,655
DAE Funding LLC 3.375%, 03/20/2028 (B)	11,546,000	10,139,697
Delta Air Lines, Inc. 2.900%, 10/28/2024	15,545,000	14,367,622
4.375%, 04/19/2028	9,405,000	7,989,023
4.500%, 10/20/2025 (B)	2,059,000	2,000,654
4.750%, 10/20/2028 (B)	6,536,678	6,174,403
Huntington Ingalls Industries, Inc. 4.200%, 05/01/2030	5,206,000	4,905,419
JetBlue 2019-1 Class AA Pass Through Trust 2.750%, 05/15/2032	7,012,612	6,068,171
Owens Corning 3.950%, 08/15/2029	8,341,000	7,737,031

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
SMBC Aviation Capital Finance DAC 2.300%, 06/15/2028 (B)	\$ 3,894,000	\$ 3,162,319
The Boeing Company 3.200%, 03/01/2029	4,360,000	3,772,637
5.040%, 05/01/2027	12,923,000	12,764,930
5.150%, 05/01/2030	17,787,000	17,073,351
United Airlines 2014-2 Class A Pass Through Trust 3.750%, 09/03/2026	9,655,599	8,984,001
United Airlines 2016-1 Class A Pass Through Trust 3.450%, 07/07/2028	8,610,018	7,328,483
United Airlines 2016-1 Class B Pass Through Trust 3.650%, 01/07/2026	8,332,639	7,637,087
United Airlines 2018-1 Class B Pass Through Trust 4.600%, 03/01/2026	2,529,203	2,276,283
United Airlines 2019-1 Class A Pass Through Trust 4.550%, 08/25/2031	6,449,186	5,759,211
United Airlines 2020-1 Class A Pass Through Trust 5.875%, 10/15/2027	15,933,326	15,659,273
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	3,745,790	3,539,772
US Airways 2010-1 Class A Pass Through Trust 6.250%, 04/22/2023	1,392,723	1,385,918
US Airways 2012-1 Class A Pass Through Trust 5.900%, 10/01/2024 (A)	6,463,555	6,472,014
US Airways 2012-2 Class A Pass Through Trust 4.625%, 06/03/2025	3,407,331	3,122,100
		296,504,078
Information technology – 4.0%		
Autodesk, Inc. 2.850%, 01/15/2030	4,681,000	4,091,155
Broadcom, Inc. 3.419%, 04/15/2033 (B)	11,115,000	9,189,262
4.750%, 04/15/2029	28,091,000	27,218,396
4.926%, 05/15/2037 (B)	14,161,000	12,695,941
CDW LLC 3.569%, 12/01/2031	10,020,000	8,278,173
CGI, Inc. 1.450%, 09/14/2026	8,030,000	7,091,177
Dell International LLC 3.450%, 12/15/2051 (B)	7,524,000	5,090,589
4.900%, 10/01/2026	12,456,000	12,460,477
5.300%, 10/01/2029	6,177,000	6,089,472
5.850%, 07/15/2025	4,251,000	4,384,084
8.350%, 07/15/2046	2,108,000	2,625,144
KLA Corp. 4.100%, 03/15/2029	7,616,000	7,523,570
Marvell Technology, Inc. 2.450%, 04/15/2028	11,200,000	9,773,126
Micron Technology, Inc. 4.185%, 02/15/2027	14,953,000	14,594,608
4.975%, 02/06/2026	5,650,000	5,704,889
5.327%, 02/06/2029	19,168,000	19,064,723
Motorola Solutions, Inc. 2.300%, 11/15/2030	11,690,000	9,146,517
2.750%, 05/24/2031	9,922,000	8,017,358

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Motorola Solutions, Inc. (continued)		
4.600%, 05/23/2029	\$ 3,233,000	\$ 3,093,169
NXP BV		
3.250%, 05/11/2041	3,717,000	2,797,870
3.875%, 06/18/2026	12,831,000	12,358,819
Oracle Corp.		
2.950%, 04/01/2030	18,106,000	15,462,484
PayPal Holdings, Inc.		
2.850%, 10/01/2029	4,216,000	3,814,820
Qorvo, Inc.		
1.750%, 12/15/2024 (B)	6,016,000	5,619,666
3.375%, 04/01/2031 (B)	5,277,000	4,149,516
Renesas Electronics Corp.		
1.543%, 11/26/2024 (B)	6,826,000	6,372,276
VeriSign, Inc.		
2.700%, 06/15/2031	5,582,000	4,492,072
VMware, Inc.		
4.700%, 05/15/2030	12,282,000	11,842,166
Western Digital Corp.		
4.750%, 02/15/2026	8,529,000	8,137,604
Workday, Inc.		
3.500%, 04/01/2027	4,867,000	4,654,290
3.800%, 04/01/2032	5,514,000	5,038,006
		260,871,419
Materials – 0.6%		
Anglo American Capital PLC		
3.875%, 03/16/2029 (B)	1,808,000	1,662,787
4.750%, 04/10/2027 (B)	5,485,000	5,418,736
Braskem Netherlands Finance BV		
5.875%, 01/31/2050 (B)	7,579,000	5,986,728
Freeport-McMoRan, Inc.		
4.250%, 03/01/2030	7,941,000	7,225,825
5.450%, 03/15/2043	9,268,000	8,573,363
Newmont Corp.		
2.800%, 10/01/2029	3,464,000	3,058,971
Vulcan Materials Company		
3.500%, 06/01/2030	4,863,000	4,408,979
		36,335,389
Real estate – 2.2%		
American Homes 4 Rent LP		
4.250%, 02/15/2028	4,327,000	4,132,437
American Tower Corp.		
3.800%, 08/15/2029	12,035,000	11,046,733
Crown Castle International Corp.		
3.300%, 07/01/2030	3,145,000	2,773,625
3.650%, 09/01/2027	11,831,000	11,204,519
3.800%, 02/15/2028	4,658,000	4,394,710
Equinix, Inc.		
1.550%, 03/15/2028	9,456,000	7,953,612
1.800%, 07/15/2027	5,384,000	4,671,643
2.500%, 05/15/2031	14,515,000	11,761,697
3.200%, 11/18/2029	4,428,000	3,933,560
GLP Capital LP		
3.250%, 01/15/2032	3,361,000	2,693,741
4.000%, 01/15/2030	3,326,000	2,912,750
5.375%, 04/15/2026	7,596,000	7,433,598
Host Hotels & Resorts LP		
3.375%, 12/15/2029	10,874,000	9,204,459
3.500%, 09/15/2030	7,110,000	6,073,657
3.875%, 04/01/2024	17,397,000	17,185,300
4.000%, 06/15/2025	13,557,000	13,256,267
4.500%, 02/01/2026	4,859,000	4,774,544
SBA Tower Trust		
2.836%, 01/15/2025 (B)	7,899,000	7,623,195

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
VICI Properties LP		
4.125%, 08/15/2030 (B)	\$ 2,123,000	\$ 1,831,979
4.375%, 05/15/2025	2,868,000	2,801,116
4.625%, 12/01/2029 (B)	4,089,000	3,655,382
5.125%, 05/15/2032	1,733,000	1,633,075
		142,951,599
Utilities – 1.2%		
AES Panama Generation Holdings SRL		
4.375%, 05/31/2030 (B)	5,952,000	5,085,017
Atlantica Transmission Sur SA		
6.875%, 04/30/2043 (B)	2,531,783	3,000,163
Dominion Energy, Inc.		
3.375%, 04/01/2030	6,792,000	6,208,827
Emera US Finance LP		
3.550%, 06/15/2026	6,192,000	5,926,221
Engie Energia Chile SA		
3.400%, 01/28/2030 (B)	8,250,000	7,002,188
NiSource, Inc.		
3.600%, 05/01/2030	4,887,000	4,477,370
NRG Energy, Inc.		
2.450%, 12/02/2027 (B)	7,276,000	6,247,418
4.450%, 06/15/2029 (B)	5,451,000	4,882,474
Vistra Operations Company LLC		
3.550%, 07/15/2024 (B)	12,479,000	12,044,760
3.700%, 01/30/2027 (B)	13,509,000	12,434,793
4.300%, 07/15/2029 (B)	11,729,000	10,622,080
		77,931,311
TOTAL CORPORATE BONDS (Cost \$2,528,759,185)		\$ 2,238,290,215
MUNICIPAL BONDS – 1.0%		
Foothill-Eastern Transportation Corridor Agency (California)		
4.094%, 01/15/2049	8,396,000	7,337,510
Golden State Tobacco Securitization Corp. (California)		
4.214%, 06/01/2050	4,975,000	4,049,250
Maryland Health & Higher Educational Facilities Authority		
3.197%, 07/01/2050	14,500,000	11,008,011
Mississippi Hospital Equipment & Facilities Authority		
3.720%, 09/01/2026	7,677,000	7,426,751
New Jersey Transportation Trust Fund Authority		
4.081%, 06/15/2039	9,117,000	8,202,090
4.131%, 06/15/2042	790,000	686,075
Ohio Turnpike & Infrastructure Commission		
3.216%, 02/15/2048	6,950,000	5,422,108
Regents of the University of California Medical Center Pooled Revenue		
3.006%, 05/15/2050	14,500,000	10,939,322
State Board of Administration Finance Corp. (Florida)		
1.705%, 07/01/2027	12,324,000	11,146,982
TOTAL MUNICIPAL BONDS (Cost \$79,794,259)		\$ 66,218,099
COLLATERALIZED MORTGAGE OBLIGATIONS – 10.7%		
Commercial and residential – 8.4%		
Angel Oak Mortgage Trust LLC		
Series 2020-R1, Class A1, 0.990%, 04/25/2053 (B)(E)	3,918,176	3,781,901
Series 2021-2, Class A1, 0.985%, 04/25/2066 (B)(E)	2,914,826	2,651,139

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Angel Oak Mortgage Trust LLC (continued)		
Series 2021-4, Class A1, 1.035%, 01/20/2065 (B)(E)	\$ 6,067,970	\$ 5,134,004
Series 2021-5, Class A1, 0.951%, 07/25/2066 (B)(E)	7,636,432	6,796,632
Arroyo Mortgage Trust		
Series 2021-1R, Class A1 1.175%, 10/25/2048 (B)(E)	5,098,434	4,708,982
BAMLL Commercial Mortgage Securities Trust		
Series 2015-200P, Class A, 3.218%, 04/14/2033 (B)	5,706,000	5,462,109
Series 2015-200P, Class C, 3.716%, 04/14/2033 (B)(E)	6,760,000	6,354,180
BBCMS Mortgage Trust		
Series 2020-C6, Class A2 2.690%, 02/15/2053	4,700,000	4,537,063
Benchmark Mortgage Trust		
Series 2019-B12, Class A2 3.001%, 08/15/2052	8,539,806	8,305,214
BOCA Commercial Mortgage Trust		
Series 2022-BOCA, Class A (1 month CME Term SOFR + 1.770%), 2.270%, 05/15/2039 (B)(D)	5,954,000	5,833,550
Series 2022-BOCA, Class B (1 month CME Term SOFR + 2.319%), 2.819%, 05/15/2039 (B)(D)	2,231,000	2,186,413
BPR Trust		
Series 2022-OANA, Class A (1 month CME Term SOFR + 1.898%) 3.177%, 04/15/2037 (B)(D)	16,875,000	16,529,790
BRAVO Residential Funding Trust		
Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (B)(E)	3,715,358	3,472,620
BX Commercial Mortgage Trust		
Series 2020-VKNG, Class A (1 month LIBOR + 0.930%), 2.254%, 10/15/2037 (B)(D)	7,275,767	7,053,310
Series 2021-ACNT, Class A (1 month LIBOR + 0.850%), 2.175%, 11/15/2038 (B)(D)	5,198,000	5,002,202
Series 2021-CIP, Class A (1 month LIBOR + 0.921%), 2.245%, 12/15/2038 (B)(D)	14,619,000	14,178,483
Series 2021-VOLT, Class C (1 month LIBOR + 1.100%), 2.424%, 09/15/2036 (B)(D)	7,399,000	6,881,538
Series 2022-AHP, Class A (1 month CME Term SOFR + 0.990%), 2.269%, 01/17/2039 (B)(D)	12,523,000	12,112,287
BX Trust		
Series 2021-MFM1, Class D (1 month LIBOR + 1.500%) 2.824%, 01/15/2034 (B)(D)	2,033,000	1,900,244
BXHPP Trust		
Series 2021-FILM, Class C (1 month LIBOR + 1.100%) 2.424%, 08/15/2036 (B)(D)	17,743,000	16,493,724
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class D (1 month LIBOR + 1.750%) 3.074%, 12/15/2037 (B)(D)	1,944,000	1,870,747

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Cantor Commercial Real Estate Lending		
Series 2019-CF1, Class A2 3.623%, 05/15/2052	\$ 11,096,000	\$ 10,930,996
Citigroup Commercial Mortgage Trust		
Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (B)	3,645,000	3,623,045
Series 2020-GC46, Class A2, 2.708%, 02/15/2053	13,170,000	12,659,404
COLT Mortgage Loan Trust		
Series 2021-2, Class A1, 0.924%, 08/25/2066 (B)(E)	6,314,649	5,544,786
Series 2021-3, Class A1, 0.956%, 09/27/2066 (B)(E)	8,490,030	7,341,878
Series 2021-HX1, Class A1, 1.110%, 10/25/2066 (B)(E)	7,149,521	6,276,593
COLT Trust		
Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (B)(E)	10,570,525	9,567,622
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2020-CX, Class D 2.773%, 11/10/2046 (B)(E)	4,291,000	3,375,003
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2020-CBM, Class A2 2.896%, 02/10/2037 (B)	5,531,000	5,236,575
Credit Suisse Mortgage Capital Certificates		
Series 2019-ICE4, Class B (1 month LIBOR + 1.230%), 2.554%, 05/15/2036 (B)(D)	3,709,000	3,626,412
Series 2019-ICE4, Class D (1 month LIBOR + 1.600%), 2.924%, 05/15/2036 (B)(D)	5,837,000	5,675,309
Series 2020-NET, Class A, 2.257%, 08/15/2037 (B)	2,188,673	2,018,401
Series 2021-AFC1, Class A1, 0.830%, 03/25/2056 (B)(E)	11,497,641	9,827,209
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (B)(E)	5,017,644	4,752,371
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (B)(E)	4,394,457	3,998,161
Series 2021-NQM5, Class A1, 0.938%, 05/25/2066 (B)(E)	4,326,490	3,748,742
Series 2021-NQM6, Class A1, 1.174%, 07/25/2066 (B)(E)	7,196,681	6,089,149
Series 2021-RPL2, Class A1A, 1.115%, 01/25/2060 (B)(E)	12,332,132	10,868,639
DBJPM Mortgage Trust		
Series 2020-C9, Class A2 1.900%, 08/15/2053	8,970,000	8,329,040
Deephaven Residential Mortgage Trust		
Series 2021-2, Class A1 0.899%, 04/25/2066 (B)(E)	6,835,921	6,037,525
Ellington Financial Mortgage Trust		
Series 2021-1, Class A1, 0.797%, 02/25/2066 (B)(E)	2,247,268	2,050,086
Series 2021-2, Class A1, 0.931%, 06/25/2066 (B)(E)	5,018,710	4,537,444
Flagstar Mortgage Trust		
Series 2021-1, Class A2 2.500%, 02/01/2051 (B)(E)	9,992,648	8,537,858

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GCAT Trust		
Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (B)(E)	\$ 4,108,679	\$ 3,778,872
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (B)(E)	3,646,544	3,304,974
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (B)(E)	5,985,367	5,262,371
GS Mortgage Securities Trust		
Series 2019-GC40, Class A2, 2.971%, 07/10/2052	6,505,000	6,346,502
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (B)	5,820,000	5,516,871
Series 2021-STAR, Class A (1 month LIBOR + 0.950%), 2.274%, 12/15/2036 (B)(D)	13,304,000	12,778,926
GS Mortgage-Backed Securities Trust		
Series 2020-NQM1, Class A1, 1.382%, 09/27/2060 (B)(E)	1,406,678	1,354,191
Series 2021-NQM1, Class A1, 1.017%, 07/25/2061 (B)(E)	2,658,298	2,477,867
Imperial Fund Mortgage Trust		
Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (B)(E)	3,551,971	3,260,109
Irvine Core Office Trust		
Series 2013-IRV, Class A2 3.279%, 05/15/2048 (B)(E)	6,620,000	6,550,835
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2022-OPQ, Class A 3.024%, 01/05/2039 (B)	6,678,000	6,148,550
KNL Mortgage Trust		
Series 2019-KNSQ, Class C (1 month LIBOR + 1.050%) 2.374%, 05/15/2036 (B)(D)	7,485,000	7,258,725
Life Mortgage Trust		
Series 2021-BMR, Class A (1 month LIBOR + 0.700%), 2.024%, 03/15/2038 (B)(D)	7,339,838	7,103,718
Series 2021-BMR, Class D (1 month LIBOR + 1.400%), 2.724%, 03/15/2038 (B)(D)	5,951,884	5,652,919
Series 2022-BMR2, Class A1 (1 month CME Term SOFR + 1.295%), 2.574%, 05/15/2039 (B)(D)	16,812,000	16,391,497
MFA Trust		
Series 2021-INV1, Class A1, 0.852%, 01/25/2056 (B)(E)	6,677,906	6,252,100
Series 2021-NQM1, Class A1, 1.153%, 04/25/2065 (B)(E)	3,229,525	2,992,631
MHP Trust		
Series 2022-MHIL, Class A (1 month CME Term SOFR + 0.815%) 2.093%, 01/15/2027 (B)(D)	7,859,000	7,505,041
Morgan Stanley Capital I Trust		
Series 2017-CLS, Class D (1 month LIBOR + 1.400%) 2.724%, 11/15/2034 (B)(D)	5,105,000	5,023,548
New Residential Mortgage Loan Trust		
Series 2020-1A, Class A1B 3.500%, 10/25/2059 (B)(E)	3,032,602	2,911,527

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
NMLT Trust		
Series 2021-INV1, Class A1 1.185%, 05/25/2056 (B)(E)	\$ 10,683,781	\$ 9,592,765
NYMT Loan Trust		
Series 2022-CP1, Class A1 2.042%, 07/25/2061 (B)	3,712,352	3,493,947
OBX Trust		
Series 2020-EXP2, Class A3, 2.500%, 05/25/2060 (B)(E)	2,412,997	2,232,191
Series 2021-NQM2, Class A1, 1.101%, 05/25/2061 (B)(E)	6,727,204	5,830,640
Series 2021-NQM3, Class A1, 1.054%, 07/25/2061 (B)(E)	7,914,778	6,840,532
Provident Funding Mortgage Trust		
Series 2020-F1, Class A2 2.000%, 01/25/2036 (B)(E)	8,889,372	8,043,977
SLG Office Trust		
Series 2021-OVA, Class C 2.851%, 07/15/2041 (B)	13,468,000	11,032,156
SMRT		
Series 2022-MINI, Class A (1 month CME Term SOFR + 1.000%) 2.279%, 01/15/2039 (B)(D)	16,836,000	16,183,081
Starwood Mortgage Residential Trust		
Series 2021-2, Class A1, 0.943%, 05/25/2065 (B)(E)	4,473,366	4,257,640
Series 2022-1, Class A1, 2.447%, 12/25/2066 (B)(E)	7,859,039	7,307,728
Towd Point Mortgage Trust		
Series 2015-1, Class A5, 3.193%, 10/25/2053 (B)(E)	2,759,000	2,698,174
Series 2017-2, Class A1, 2.750%, 04/25/2057 (B)(E)	540,274	536,799
Series 2018-4, Class A1, 3.000%, 06/25/2058 (B)(E)	5,411,508	5,184,001
Series 2018-6, Class A1A, 3.750%, 03/25/2058 (B)(E)	490,088	487,018
Series 2019-4, Class A1, 2.900%, 10/25/2059 (B)(E)	4,494,181	4,351,580
Series 2020-4, Class A1, 1.750%, 10/25/2060 (B)	5,924,534	5,439,207
Verus Securitization Trust		
Series 2020-5, Class A1 (1.218% to 10-25-24, then 2.218% thereafter), 1.218%, 05/25/2065 (B)	1,950,073	1,848,528
Series 2021-1, Class A1, 0.815%, 01/25/2066 (B)(E)	4,645,432	4,240,373
Series 2021-3, Class A1, 1.046%, 06/25/2066 (B)(E)	6,359,947	5,621,049
Series 2021-4, Class A1, 0.938%, 07/25/2066 (B)(E)	3,444,559	3,014,561
Series 2021-5, Class A1, 1.013%, 09/25/2066 (B)(E)	6,846,656	5,955,576
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (B)(E)	3,044,227	2,965,329
Series 2021-R2, Class A1, 0.918%, 02/25/2064 (B)(E)	3,485,161	3,368,383
Visio Trust		
Series 2020-1R, Class A1 1.312%, 11/25/2055 (B)	5,939,487	5,736,358

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Wells Fargo Commercial Mortgage Trust Series 2019-C51, Class A2 3.039%, 06/15/2052	\$ 12,947,377	\$ 12,687,362
		542,719,109
U.S. Government Agency – 2.3%		
Federal Home Loan Mortgage Corp. Series 2022-DNA1, Class M1A (1 month SOFR + 1.000%), 1.926%, 01/25/2042 (B)(D)	9,055,000	8,736,671
Series 2022-DNA2, Class M1A (1 month SOFR + 1.300%), 2.226%, 02/25/2042 (B)(D)	6,204,087	6,061,602
Series 2022-DNA2, Class M1B (1 month SOFR + 2.400%), 3.326%, 02/25/2042 (B)(D)	7,663,000	7,070,413
Series 2022-DNA3, Class M1A (1 month SOFR + 2.000%), 2.926%, 04/25/2042 (B)(D)	8,199,492	8,070,747
Series 2022-DNA3, Class M1B (1 month SOFR + 2.900%), 3.826%, 04/25/2042 (B)(D)	4,603,000	4,326,946
Series 2022-DNA4, Class M1A (1 month SOFR + 2.200%), 3.126%, 05/25/2042 (B)(D)	6,152,717	6,075,026
Series 2022-DNA4, Class M1B (1 month SOFR + 3.350%), 4.276%, 05/25/2042 (B)(D)	6,945,000	6,602,573
Series 2022-DNA5, Class M1B (1 month SOFR + 4.500%), 5.279%, 06/25/2042 (B)(D)	10,181,000	10,232,141
Series K022, Class X1 IO, 1.246%, 07/25/2022	22,483,360	524
Series K026, Class X1 IO, 1.039%, 11/25/2022	136,755,239	248,812
Series K038, Class X1 IO, 1.243%, 03/25/2024	50,453,292	791,027
Series K048, Class X1 IO, 0.350%, 06/25/2025 (A)	154,668,788	955,405
Federal National Mortgage Association Series 2022-R03, Class 1M1 (1 month SOFR + 2.100%), 3.026%, 03/25/2042 (B)(D)	7,589,180	7,455,145
Series 2022-R04, Class 1M1 (1 month SOFR + 2.000%), 2.926%, 03/25/2042 (B)(D)	3,276,685	3,212,596
Series 2022-R06, Class 1M1 (1 month SOFR + 2.750%), 3.698%, 05/25/2042 (B)(D)	3,607,935	3,598,845
Government National Mortgage Association Series 2012-114, Class IO, 0.636%, 01/16/2053	16,497,557	297,538
Series 2016-174, Class IO, 0.848%, 11/16/2056	13,492,166	611,700
Series 2017-109, Class IO, 0.288%, 04/16/2057	14,665,249	347,006
Series 2017-124, Class IO, 0.611%, 01/16/2059	14,973,247	509,872
Series 2017-135, Class IO, 0.721%, 10/16/2058	41,540,430	1,810,814
Series 2017-140, Class IO, 0.489%, 02/16/2059	19,843,463	727,965

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued) Series 2017-159, Class IO, 0.438%, 06/16/2059	\$ 28,104,199	\$ 1,077,144
Series 2017-20, Class IO, 0.610%, 12/16/2058	34,770,610	1,103,574
Series 2017-22, Class IO, 0.776%, 12/16/2057	14,114,503	609,529
Series 2017-41, Class IO, 0.652%, 07/16/2058	13,702,776	464,752
Series 2017-46, Class IO, 0.645%, 11/16/2057	16,724,039	667,681
Series 2017-61, Class IO, 0.769%, 05/16/2059	25,517,529	1,108,877
Series 2018-158, Class IO, 0.761%, 05/16/2061	21,299,849	1,202,962
Series 2018-69, Class IO, 0.601%, 04/16/2060	23,415,873	1,219,822
Series 2019-131, Class IO, 0.802%, 07/16/2061	27,435,737	1,658,049
Series 2020-100, Class IO, 0.794%, 05/16/2062	29,313,412	1,937,124
Series 2020-108, Class IO, 0.847%, 06/16/2062	70,971,363	4,625,800
Series 2020-114, Class IO, 0.798%, 09/16/2062	70,974,833	4,743,709
Series 2020-118, Class IO, 0.899%, 06/16/2062	51,408,676	3,532,234
Series 2020-119, Class IO, 0.601%, 08/16/2062	28,987,082	1,641,373
Series 2020-120, Class IO, 0.768%, 05/16/2062	16,243,865	1,064,410
Series 2020-137, Class IO, 0.793%, 09/16/2062	90,549,515	5,763,640
Series 2020-150, Class IO, 0.952%, 12/16/2062	47,531,036	3,589,891
Series 2020-170, Class IO, 0.835%, 11/16/2062	59,410,223	4,141,089
Series 2020-92, Class IO, 0.876%, 02/16/2062	67,128,555	4,718,782
Series 2021-10, Class IO, 0.987%, 05/16/2063	43,301,798	3,417,936
Series 2021-11, Class IO, 1.020%, 12/16/2062	68,892,471	5,386,695
Series 2021-203, Class IO, 0.866%, 07/16/2063 (A)	57,035,999	4,010,344
Series 2021-3, Class IO, 0.866%, 09/16/2062	78,103,984	5,551,701
Series 2021-40, Class IO, 0.822%, 02/16/2063	20,603,656	1,452,603
Series 2022-21, Class IO, 0.785%, 10/16/2063	19,350,015	1,396,241
		143,829,330
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$792,791,680)		\$ 686,548,439
ASSET BACKED SECURITIES – 14.6%		
ABPCI Direct Lending Fund I, Ltd. Series 2020-1A, Class A 3.199%, 12/20/2030 (B)	9,473,000	8,993,088
AGL CLO 5, Ltd. Series 2020-5A, Class A1R (3 month LIBOR + 1.160%) 2.223%, 07/20/2034 (B)(D)	9,799,322	9,502,040

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Aimco CLO 12, Ltd. Series 2020-12A, Class AR (3 month CME Term SOFR + 1.170%) 2.021%, 01/17/2032 (B)(D)	\$ 12,634,000	\$ 12,309,521
Aligned Data Centers Issuer LLC Series 2021-1A, Class A2 1.937%, 08/15/2046 (B)	14,682,000	12,970,704
AmeriCredit Automobile Receivables Trust Series 2020-1, Class C 1.590%, 10/20/2025	7,850,000	7,590,528
AMSR Trust Series 2020-SFR2, Class A 1.632%, 07/17/2037 (B)	9,605,000	9,018,967
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (B)	4,606,000	4,251,938
Series 2021-SFR1, Class B 2.153%, 06/17/2038 (B)(E)	7,203,000	6,192,000
Series 2021-SFR4, Class A 2.117%, 12/17/2038 (B)	4,397,000	3,979,790
Apex Credit CLO, Ltd. Series 2020-1A, Class A1R (3 month CME Term SOFR + 1.230%) 2.081%, 10/20/2031 (B)(D)	14,099,000	13,760,341
Applebee's Funding LLC Series 2019-1A, Class A2I 4.194%, 06/05/2049 (B)	10,925,640	10,599,094
Aqua Finance Trust Series 2021-A, Class A 1.540%, 07/17/2046 (B)	3,861,252	3,567,041
Arby's Funding LLC Series 2020-1A, Class A2 3.237%, 07/30/2050 (B)	10,464,608	9,401,812
Avis Budget Rental Car Funding AESOP LLC Series 2019-3A, Class A 2.360%, 03/20/2026 (B)	10,031,000	9,557,544
Series 2020-1A, Class A 2.330%, 08/20/2026 (B)	6,338,000	6,025,679
Bain Capital Credit CLO, Ltd. Series 2017-1A, Class BR (3 month LIBOR + 1.500%) 2.563%, 07/20/2030 (B)(D)	8,160,000	7,814,220
Balboa Bay Loan Funding, Ltd. Series 2021-1A, Class A (3 month LIBOR + 1.200%) 2.263%, 07/20/2034 (B)(D)	3,723,000	3,601,515
Barings CLO, Ltd. Series 2013-1A, Class AR (3 month LIBOR + 0.800%) 1.863%, 01/20/2028 (B)(D)	9,441,237	9,320,163
Beacon Container Finance II LLC Series 2021-1A, Class A 2.250%, 10/22/2046 (B)	11,531,333	10,301,114
Benefit Street Partners CLO XX, Ltd. Series 2020-20A, Class AR (3 month LIBOR + 1.170%) 2.214%, 07/15/2034 (B)(D)	14,542,000	14,055,119
Bojangles Issuer LLC Series 2020-1A, Class A2 3.832%, 10/20/2050 (B)	2,467,815	2,338,613
BRE Grand Islander Timeshare Issuer LLC Series 2019-A, Class A 3.280%, 09/26/2033 (B)	3,099,671	2,979,493

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Carlyle U.S. CLO, Ltd. Series 2019-2A, Class A1R (3 month LIBOR + 1.120%) 2.164%, 07/15/2032 (B)(D)	\$ 4,566,000	\$ 4,464,653
CARS-DB4 LP Series 2020-1A, Class A1 2.690%, 02/15/2050 (B)	8,698,164	8,234,673
CF Hippolyta LLC Series 2020-1, Class A1 1.690%, 07/15/2060 (B)	10,605,121	9,609,682
Series 2021-1A, Class A1 1.530%, 03/15/2061 (B)	9,955,624	8,776,022
Chase Auto Credit Linked Notes Series 2021-3, Class B 0.760%, 02/26/2029 (B)	4,501,208	4,349,618
CLI Funding VI LLC Series 2020-1A, Class A 2.080%, 09/18/2045 (B)	12,618,837	11,270,610
CLI Funding VIII LLC Series 2021-1A, Class A 1.640%, 02/18/2046 (B)	10,186,934	8,984,055
Series 2022-1A, Class A 2.720%, 01/18/2047 (B)	6,534,469	5,845,025
DataBank Issuer Series 2021-1A, Class A2 2.060%, 02/27/2051 (B)	15,959,000	14,433,577
Series 2021-2A, Class A2 2.400%, 10/25/2051 (B)	6,935,000	6,177,051
DB Master Finance LLC Series 2017-1A, Class A2II 4.030%, 11/20/2047 (B)	4,124,910	3,947,415
Series 2021-1A, Class A2I 2.045%, 11/20/2051 (B)	16,217,505	14,398,793
Diamond Infrastructure Funding LLC Series 2021-1A, Class A 1.760%, 04/15/2049 (B)	10,459,000	8,981,798
DLLAA LLC Series 2021-1A, Class A3 0.670%, 04/17/2026 (B)	883,000	841,428
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (B)	11,760,015	11,237,106
Series 2019-1A, Class A2 3.668%, 10/25/2049 (B)	3,519,000	3,185,072
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (B)	7,603,200	6,627,246
Driven Brands Funding LLC Series 2018-1A, Class A2 4.739%, 04/20/2048 (B)	3,628,800	3,574,303
Series 2020-2A, Class A2 3.237%, 01/20/2051 (B)	7,500,063	6,751,894
Series 2021-1A, Class A2 2.791%, 10/20/2051 (B)	9,339,070	7,790,708
Eaton Vance CLO, Ltd. Series 2020-2A, Class BR (3 month LIBOR + 1.700%) 2.744%, 01/15/2035 (B)(D)	6,040,000	5,701,313
Elara HGV Timeshare Issuer LLC Series 2019-A, Class A 2.610%, 01/25/2034 (B)	4,065,800	3,870,388
Elmwood CLO IV, Ltd. Series 2020-1A, Class A (3 month LIBOR + 1.240%) 2.284%, 04/15/2033 (B)(D)	7,297,000	7,104,337
Exeter Automobile Receivables Trust Series 2021-1A, Class C 0.740%, 01/15/2026	4,763,000	4,639,013

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
FirstKey Homes Trust		
Series 2020-SFR1, Class A 1.339%, 08/17/2037 (B)	\$ 2,501,539	\$ 2,321,328
Series 2020-SFR2, Class A 1.266%, 10/19/2037 (B)	7,348,662	6,769,925
Series 2021-SFR1, Class A 1.538%, 08/17/2038 (B)	7,453,884	6,678,773
Series 2021-SFR1, Class C 1.888%, 08/17/2038 (B)	12,224,000	10,911,806
Five Guys Funding LLC		
Series 2017-1A, Class A2 4.600%, 07/25/2047 (B)	6,710,293	6,496,187
Goldentree Loan Management US CLO 6, Ltd.		
Series 2019-6A, Class AR (3 month CME Term SOFR + 1.320%) 2.171%, 04/20/2035 (B)(D)	13,778,000	13,192,474
Golub Capital Partners Funding, Ltd.		
Series 2020-1A, Class A2 3.208%, 01/22/2029 (B)	7,732,000	7,419,550
Series 2021-1A, Class A2 2.773%, 04/20/2029 (B)	7,518,000	7,115,208
HalseyPoint CLO II, Ltd.		
Series 2020-2A, Class B (3 month LIBOR + 1.640%) 2.703%, 07/20/2031 (B)(D)	7,083,000	6,830,760
HI-FI Music IP Issuer LP		
Series 2022-1A, Class A2 3.939%, 02/01/2062 (B)	6,370,000	6,088,898
Hilton Grand Vacations Trust		
Series 2018-AA, Class A 3.540%, 02/25/2032 (B)	1,854,223	1,824,632
Home Partners of America Trust		
Series 2019-1, Class A 2.908%, 09/17/2039 (B)	11,877,729	11,152,349
Series 2021-1, Class A 1.698%, 09/17/2041 (B)	5,494,380	4,740,732
Series 2021-2, Class A 1.901%, 12/17/2026 (B)	5,062,495	4,520,468
Hotwire Funding LLC		
Series 2021-1, Class A2 2.311%, 11/20/2051 (B)	4,624,000	4,101,674
Jack in the Box Funding LLC		
Series 2019-1A, Class A23 4.970%, 08/25/2049 (B)	5,761,075	5,341,121
Series 2022-1A, Class A21 3.445%, 02/26/2052 (B)	8,569,935	7,816,998
Laurel Road Prime Student Loan Trust		
Series 2019-A, Class A2FX 2.730%, 10/25/2048 (B)	794,974	785,476
Madison Park Funding XXIII, Ltd.		
Series 2017-23A, Class AR (3 month LIBOR + 0.970%) 2.195%, 07/27/2031 (B)(D)	13,510,000	13,310,066
Series 2017-23A, Class BR (3 month LIBOR + 1.550%) 2.775%, 07/27/2031 (B)(D)	10,046,000	9,794,900
Marathon CLO X, Ltd.		
Series 2017-10A, Class A1AR (3 month LIBOR + 1.000%) 2.411%, 11/15/2029 (B)(D)	9,629,189	9,475,565
Monroe Capital Funding, Ltd.		
Series 2021-1A, Class A2 2.815%, 04/22/2031 (B)	13,424,000	12,483,149
MVW Owner Trust		
Series 2018-1A, Class A 3.450%, 01/21/2036 (B)	3,139,743	3,087,426

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Navient Private Education Loan Trust		
Series 2016-AA, Class A2A 3.910%, 12/15/2045 (B)	\$ 2,034,347	\$ 2,016,636
Navient Private Education Refi Loan Trust		
Series 2019-EA, Class A2A 2.640%, 05/15/2068 (B)	3,825,877	3,695,677
Series 2019-FA, Class A2 2.600%, 08/15/2068 (B)	3,918,253	3,733,170
Series 2020-BA, Class A2 2.120%, 01/15/2069 (B)	7,738,127	7,275,451
Series 2020-GA, Class A 1.170%, 09/16/2069 (B)	6,655,446	6,241,644
Series 2020-HA, Class A 1.310%, 01/15/2069 (B)	8,494,617	7,917,343
Series 2021-A, Class A 0.840%, 05/15/2069 (B)	8,259,222	7,559,869
Navient Student Loan Trust		
Series 2020-2A, Class A1A 1.320%, 08/26/2069 (B)	7,242,253	6,384,737
Neighborhoodly Issuer LLC		
Series 2021-1A, Class A2 3.584%, 04/30/2051 (B)	13,461,030	11,682,397
Series 2022-1A, Class A2 3.695%, 01/30/2052 (B)	5,378,520	4,632,525
Neuberger Berman CLO XX, Ltd.		
Series 2015-20A, Class ARR (3 month LIBOR + 1.160%) 2.204%, 07/15/2034 (B)(D)	2,972,000	2,874,233
Series 2015-20A, Class BRR (3 month LIBOR + 1.650%) 2.694%, 07/15/2034 (B)(D)	2,978,000	2,824,484
Neuberger Berman Loan Advisers CLO 34, Ltd.		
Series 2019-34A, Class AIR (3 month CME Term SOFR + 1.240%) 2.091%, 01/20/2035 (B)(D)	7,187,000	6,974,654
Series 2019-34A, Class BR (3 month CME Term SOFR + 1.750%) 2.601%, 01/20/2035 (B)(D)	7,187,000	6,808,745
New Economy Assets Phase 1 Sponsor LLC		
Series 2021-1, Class A1 1.910%, 10/20/2061 (B)	12,983,000	11,322,640
Series 2021-1, Class B1 2.410%, 10/20/2061 (B)	3,933,000	3,404,327
NRZ Excess Spread-Collateralized Notes		
Series 2020-PLS1, Class A 3.844%, 12/25/2025 (B)	2,203,325	2,091,995
Series 2021-FHT1, Class A 3.104%, 07/25/2026 (B)	2,209,736	2,013,247
Oaktree CLO, Ltd.		
Series 2021-1A, Class A1 (3 month LIBOR + 1.160%) 2.204%, 07/15/2034 (B)(D)	11,169,000	10,786,216
Ocean Trails CLO X		
Series 2020-10A, Class AR (3 month LIBOR + 1.220%) 2.264%, 10/15/2034 (B)(D)	5,975,000	5,744,461
OCP CLO, Ltd.		
Series 2020-19A, Class AR (3 month LIBOR + 1.150%) 2.213%, 10/20/2034 (B)(D)	4,404,000	4,248,834
Oxford Finance Funding LLC		
Series 2020-1A, Class A2 3.101%, 02/15/2028 (B)	7,033,621	6,969,480

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Palmer Square Loan Funding, Ltd. Series 2021-3A, Class A2 (3 month LIBOR + 1.400%) 2.463%, 07/20/2029 (B)(D)	\$ 6,333,000	\$ 6,099,490
Progress Residential Trust Series 2021-SFR2, Class A 1.546%, 04/19/2038 (B)	19,375,000	17,510,294
Series 2021-SFR5, Class A 1.427%, 07/17/2038 (B)	13,715,610	12,227,191
Series 2021-SFR8, Class B 1.681%, 10/17/2038 (B)	4,514,000	3,975,803
SCF Equipment Leasing LLC Series 2019-2A, Class C 3.110%, 06/21/2027 (B)	12,112,000	11,571,640
Series 2021-1A, Class B 1.370%, 08/20/2029 (B)	6,799,000	6,241,745
ServiceMaster Funding LLC Series 2020-1, Class A2II 3.337%, 01/30/2051 (B)	3,553,025	2,967,391
SERVPRO Master Issuer LLC Series 2021-1A, Class A2 2.394%, 04/25/2051 (B)	7,166,610	6,136,324
Sesac Finance LLC Series 2019-1, Class A2 5.216%, 07/25/2049 (B)	10,162,625	9,759,626
Sierra Timeshare Receivables Funding LLC Series 2021-1A, Class A 0.990%, 11/20/2037 (B)	5,832,935	5,508,605
SMB Private Education Loan Trust Series 2019-B, Class A2A 2.840%, 06/15/2037 (B)	8,000,692	7,746,044
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (B)	6,452,871	5,877,130
Series 2021-A, Class APT2 1.070%, 01/15/2053 (B)	5,008,980	4,427,911
SoFi Professional Loan Program LLC Series 2019-B, Class A2FX 3.090%, 08/17/2048 (B)	1,561,192	1,526,895
Sonic Capital LLC Series 2020-1A, Class A2I 3.845%, 01/20/2050 (B)	8,612,162	8,126,858
Series 2020-1A, Class A2II 4.336%, 01/20/2050 (B)	6,925,658	6,438,563
Series 2021-1A, Class A2I 2.190%, 08/20/2051 (B)	7,034,840	5,968,372
Sound Point CLO XXVII, Ltd. Series 2020-2A, Class AR (3 month LIBOR + 1.180%) 2.364%, 10/25/2034 (B)(D)	10,844,000	10,443,011
Series 2020-2A, Class B1R (3 month LIBOR + 1.650%) 2.834%, 10/25/2034 (B)(D)	3,676,000	3,448,323
Starwood Property Mortgage Trust Series 2021-SIF2A, Class A1 (3 month CME Term SOFR + 1.550%) 1.609%, 01/15/2033 (B)(D)	10,802,000	10,556,206
Sunbird Engine Finance LLC Series 2020-1A, Class A 3.671%, 02/15/2045 (B)	3,888,563	3,325,872
Taco Bell Funding LLC Series 2021-1A, Class A2I 1.946%, 08/25/2051 (B)	14,279,245	12,440,307
TIF Funding II LLC Series 2020-1A, Class A 2.090%, 08/20/2045 (B)	14,257,775	12,804,467

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
TIF Funding II LLC (continued) Series 2021-1A, Class A 1.650%, 02/20/2046 (B)	\$ 6,162,912	\$ 5,300,520
Tricon American Homes Trust Series 2020-SFR1, Class A 1.499%, 07/17/2038 (B)	13,150,145	11,981,363
Series 2020-SFR2, Class A 1.482%, 11/17/2039 (B)	16,597,415	14,559,983
Triton Container Finance VIII LLC Series 2020-1A, Class A 2.110%, 09/20/2045 (B)	14,430,390	12,833,109
Series 2021-1A, Class A 1.860%, 03/20/2046 (B)	8,515,650	7,432,516
Vantage Data Centers LLC Series 2019-1A, Class A2 3.188%, 07/15/2044 (B)	9,246,380	8,986,409
Series 2020-1A, Class A2 1.645%, 09/15/2045 (B)	8,834,000	8,043,345
Series 2020-2A, Class A2 1.992%, 09/15/2045 (B)	6,853,000	5,964,334
VCP RRL ABS I, Ltd. Series 2021-1A, Class A 2.152%, 10/20/2031 (B)	3,782,322	3,757,722
VR Funding LLC Series 2020-1A, Class A 2.790%, 11/15/2050 (B)	9,300,305	8,442,355
VSE VOI Mortgage LLC Series 2017-A, Class A 2.330%, 03/20/2035 (B)	3,315,072	3,201,408
Wendy's Funding LLC Series 2021-1A, Class A2I 2.370%, 06/15/2051 (B)	8,074,440	6,843,903
Westgate Resorts LLC Series 2022-1A, Class A 1.788%, 08/20/2036 (B)	8,485,304	8,107,320
Willis Engine Structured Trust V Series 2020-A, Class A 3.228%, 03/15/2045 (B)	3,231,440	2,747,233
Wingstop Funding LLC Series 2020-1A, Class A2 2.841%, 12/05/2050 (B)	15,144,895	13,454,876
Zaxby's Funding LLC Series 2021-1A, Class A2 3.238%, 07/30/2051 (B)	9,181,618	7,984,922
TOTAL ASSET BACKED SECURITIES (Cost \$1,024,584,259)		\$ 943,157,720
PREFERRED SECURITIES – 0.1%		
Utilities – 0.1%		
NextEra Energy, Inc., 5.279%	120,650	5,990,273
TOTAL PREFERRED SECURITIES (Cost \$5,881,688)		\$ 5,990,273
SHORT-TERM INVESTMENTS – 4.8%		
U.S. Government Agency – 1.0%		
Federal Agricultural Mortgage Corp. Discount Note 1.000%, 07/01/2022 *	\$ 29,074,000	29,074,000
Federal Home Loan Bank Discount Note 1.000%, 07/01/2022 *	31,332,000	31,332,000
		60,406,000

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Select Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 3.8%		
Repurchase Agreement with State Street Corp. dated 6-30-22 at 1.440% to be repurchased at \$60,393,416 on 7-1-22, collateralized by \$68,900,800 U.S. Treasury Notes, 1.250% due 6-30-28 (valued at \$61,598,900)	\$ 60,391,000	\$ 60,391,000
Repurchase Agreement with State Street Corp. dated 6-30-22 at 0.240% to be repurchased at \$186,578,244 on 7-1-22, collateralized by \$190,517,000 U.S. Treasury Notes, 3.000% due 6-30-24 (valued at \$190,308,574)	186,577,000	186,577,000
		246,968,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$307,374,000)		\$ 307,374,000
Total Investments (Select Bond Trust) (Cost \$7,292,595,153) – 103.1%		\$ 6,649,173,964
Other assets and liabilities, net – (3.1%)		(197,433,992)
TOTAL NET ASSETS – 100.0%		\$ 6,451,739,972

Security Abbreviations and Legend

CME Chicago Mercantile Exchange

Select Bond Trust (continued)

CMT	Constant Maturity Treasury
ICE	Intercontinental Exchange
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$1,933,347,174 or 30.0% of the fund's net assets as of 6-30-22.
(C)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(D)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(E)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
*	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)
U.S. Treasury Long Bond Futures	84	Long	Sep 2022	\$11,647,295	\$11,644,500	\$(2,795)
						\$(2,795)

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

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

Short Term Government Income Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 94.2%		
U.S. Government – 22.8%		
U.S. Treasury Notes		
0.125%, 05/15/2023	\$ 2,750,000	\$ 2,684,902
0.625%, 07/31/2026	1,000,000	906,875
0.875%, 06/30/2026	1,800,000	1,652,414
1.125%, 10/31/2026	2,500,000	2,304,395
2.000%, 05/31/2024	4,500,000	4,418,613
2.125%, 03/31/2024	2,700,000	2,660,238
2.625%, 06/30/2023 to 04/15/2025	7,485,000	7,448,711
2.750%, 07/31/2023	3,215,000	3,207,339
2.875%, 11/30/2023	13,345,000	13,327,796
		38,611,283
U.S. Government Agency – 71.4%		
Federal Farm Credit Bank		
0.500%, 12/23/2025 to 02/04/2026	10,000,000	9,121,935
0.680%, 01/13/2027	6,000,000	5,399,930
1.600%, 12/14/2026	2,000,000	1,875,504
3.370%, 12/08/2025	2,000,000	1,989,810
Federal Home Loan Bank		
0.625%, 11/27/2024	2,000,000	1,881,446

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 Bank (continued)		
0.650%, 02/26/2026	\$ 6,000,000	\$ 5,469,774
0.700%, 01/28/2026	7,000,000	6,445,336
0.850%, 10/28/2024	4,000,000	3,803,779
0.900%, 02/26/2027	2,000,000	1,794,644
1.000%, 11/08/2024 to 03/23/2026	3,950,000	3,658,160
1.100%, 07/13/2026 to 08/20/2026	3,000,000	2,764,242
1.200%, 12/27/2024	5,000,000	4,804,766
1.500%, 08/15/2024 to 02/18/2025	5,770,000	5,557,119
1.610%, 12/30/2026	2,500,000	2,357,793
2.750%, 03/25/2027	2,600,000	2,529,578
2.875%, 09/13/2024	5,500,000	5,477,222
3.250%, 06/09/2025	2,415,000	2,393,636
3.500%, 05/19/2025	4,000,000	3,982,943
4.000%, 05/26/2027	1,115,000	1,113,363
Federal Home Loan Mortgage Corp.		
0.375%, 09/23/2025	3,060,000	2,806,921
0.640%, 11/24/2025	2,000,000	1,841,784
0.650%, 10/22/2025	2,000,000	1,841,563
0.700%, 12/23/2025	2,000,000	1,831,586

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
0.800%, 10/27/2026	\$ 2,000,000	\$ 1,808,669
1.500%, 02/12/2025	6,000,000	5,767,483
2.120%, (12 month LIBOR + 1.617%), 05/01/2045 (A)	344,868	350,189
2.500%, 09/01/2034	1,820,827	1,751,607
3.000%, 07/01/2030 to 12/01/2032	2,206,010	2,183,929
3.500%, 04/01/2032	941,742	941,556
4.000%, 07/22/2024 (B)	2,200,000	2,201,880
7.000%, 04/01/2031 to 04/01/2032	384	421
Federal National Mortgage Association		
0.375%, 08/25/2025	5,000,000	4,592,120
0.625%, 04/22/2025	4,000,000	3,740,414
0.650%, 12/17/2025	2,000,000	1,841,258
2.500%, 10/01/2027 to 09/01/2034	2,233,611	2,153,469
2.875%, 09/12/2023	2,755,000	2,754,750
3.000%, 03/01/2028 to 09/01/2034	5,876,004	5,817,288
3.500%, 07/01/2031 to 06/01/2034	3,715,855	3,718,019
6.500%, 01/01/2039	259,387	289,027
7.000%, 12/01/2026 to 01/01/2029	774	833
8.000%, 10/01/2024 to 09/01/2030	752	827
		120,656,573
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$167,241,916)		\$ 159,267,856
MUNICIPAL BONDS – 4.6%		
City of Houston (Texas)		
3.628%, 05/15/2024	1,000,000	1,003,485
City of Houston, GO (Texas)		
2.110%, 03/01/2025	1,000,000	968,113
City of New York, GO		
1.990%, 10/01/2026	1,000,000	931,898
3.250%, 03/01/2024	1,000,000	998,086
County of Orange (Florida)		
2.280%, 01/01/2026	1,000,000	960,937
Los Angeles Unified School District, GO (California)		
1.540%, 09/15/2025	1,000,000	938,052
New York State Urban Development Corp.		
3.080%, 03/15/2024	1,000,000	995,059
State of California, GO		
2.375%, 10/01/2026	1,000,000	956,326
TOTAL MUNICIPAL BONDS (Cost \$8,149,595)		\$ 7,751,956
COLLATERALIZED MORTGAGE OBLIGATIONS – 0.8%		
U.S. Government Agency – 0.8%		
Federal Home Loan Mortgage Corp.		
Series K022, Class X1 IO,		
1.246%, 07/25/2022	1,734,319	40
Series K026, Class X1 IO,		
1.039%, 11/25/2022	4,606,415	8,381
Series K030, Class X1 IO,		
0.259%, 04/25/2023	122,662,141	124,183
Series K038, Class X1 IO,		
1.243%, 03/25/2024	7,535,425	118,143
Government National		
Mortgage Association		
Series 2012-114, Class IO,		
0.636%, 01/16/2053	1,123,465	20,262
Series 2017-109, Class IO,		
0.288%, 04/16/2057	1,089,598	25,782

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2017-124, Class IO,		
0.611%, 01/16/2059	\$ 895,272	\$ 30,486
Series 2017-140, Class IO,		
0.489%, 02/16/2059	660,578	24,234
Series 2017-20, Class IO,		
0.610%, 12/16/2058	2,154,997	68,397
Series 2017-41, Class IO,		
0.652%, 07/16/2058	1,235,256	41,896
Series 2017-46, Class IO,		
0.645%, 11/16/2057	1,494,592	59,669
Series 2017-61, Class IO,		
0.769%, 05/16/2059	879,289	38,210
Series 2017-74, Class IO,		
0.488%, 09/16/2058	1,354,888	37,936
Series 2017-89, Class IO,		
0.558%, 07/16/2059	1,423,287	55,412
Series 2018-9, Class IO,		
0.448%, 01/16/2060	1,433,238	55,226
Series 2020-118, Class IO,		
0.899%, 06/16/2062	1,406,503	96,639
Series 2020-119, Class IO,		
0.601%, 08/16/2062	798,768	45,230
Series 2020-120, Class IO,		
0.768%, 05/16/2062	2,102,044	137,740
Series 2020-137, Class IO,		
0.793%, 09/16/2062	1,430,830	91,075
Series 2020-170, Class IO,		
0.835%, 11/16/2062	1,576,726	109,903
Series 2021-40, Class IO,		
0.822%, 02/16/2063	499,907	35,245
Series 2022-53, Class IO,		
0.713%, 06/16/2064	1,765,281	113,112
		1,337,201
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$3,222,260)		\$ 1,337,201
SHORT-TERM INVESTMENTS – 1.4%		
Repurchase agreement – 1.4%		
Repurchase Agreement with State Street Corp. dated 6-30-22 at 0.240% to be repurchased at \$2,447,016 on 7-1-22, collateralized by \$2,498,700		
U.S. Treasury Notes, 3.000% due 6-30-24 (valued at \$2,495,966)		
	2,447,000	2,447,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,447,000)		\$ 2,447,000
Total Investments (Short Term Government Income Trust) (Cost \$181,060,771) – 101.0%		
		\$ 170,804,013
Other assets and liabilities, net – (1.0%)		
		(1,720,930)
TOTAL NET ASSETS – 100.0%		\$ 169,083,083
Security Abbreviations and Legend		
GO	General Obligation	
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.	
LIBOR	London Interbank Offered Rate	
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.	
(B)	Security purchased or sold on a when-issued or delayed delivery basis.	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 7.2%		
U.S. Government – 7.2%		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 1,800,000	\$ 1,394,859
2.375%, 02/15/2042	4,210,000	3,569,948
2.750%, 11/15/2042	995,000	890,953
3.000%, 02/15/2049	5,975,000	5,693,747
U.S. Treasury Notes		
0.375%, 11/30/2025	900,000	822,023
0.500%, 02/28/2026	1,150,000	1,048,162
1.500%, 01/31/2027	4,680,000	4,369,584
1.875%, 02/15/2032	2,374,000	2,150,696
2.000%, 11/15/2026	1,390,000	1,328,970
2.250%, 03/31/2024	2,785,000	2,749,970
2.375%, 03/31/2029	945,000	904,579
2.625%, 05/31/2027	1,015,000	995,810
2.875%, 05/15/2032	2,045,000	2,021,994
		27,941,295
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$29,339,289)		\$ 27,941,295
FOREIGN GOVERNMENT OBLIGATIONS – 21.5%		
Australia – 1.1%		
Commonwealth of Australia		
0.250%, 11/21/2024	AUD 2,210,000	1,434,672
0.500%, 09/21/2026	775,000	478,134
New South Wales Treasury Corp.		
1.000%, 02/08/2024	1,275,000	853,646
1.250%, 03/20/2025	1,370,000	893,282
Queensland Treasury Corp.		
4.250%, 07/21/2023 (A)	860,000	603,195
		4,262,929
Austria – 0.2%		
Republic of Austria		
0.500%, 02/20/2029 (A)	EUR 755,000	738,008
Brazil – 0.7%		
Federative Republic of Brazil		
10.000%, 01/01/2023 to 01/01/2025	BRL 14,010,000	2,529,326
Canada – 2.7%		
Canada Housing Trust No. 1		
1.250%, 06/15/2026 (A)	CAD 1,425,000	1,020,538
1.950%, 12/15/2025 (A)	1,675,000	1,242,027
CPPIB Capital, Inc.		
2.250%, 12/01/2031 (A)	635,000	426,923
Government of Canada		
1.500%, 09/01/2024	885,000	664,761
2.250%, 12/01/2029	1,350,000	987,056
Province of Ontario		
1.350%, 12/02/2030	5,160,000	3,270,379
2.900%, 06/02/2028	1,185,000	881,348
3.450%, 06/02/2045	1,060,000	727,367
Province of Quebec		
0.200%, 04/07/2025	EUR 285,000	288,159
1.500%, 12/15/2023	GBP 497,000	596,859
3.000%, 09/01/2023	CAD 650,000	503,866
		10,609,283
China – 1.2%		
People's Republic of China		
1.990%, 04/09/2025	CNY 12,420,000	1,831,093
2.690%, 08/12/2026	4,220,000	632,495
2.880%, 11/05/2023	14,670,000	2,212,757
		4,676,345

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Colombia – 1.0%		
Republic of Colombia		
3.250%, 04/22/2032	\$ 955,000	\$ 690,070
4.500%, 03/15/2029	235,000	202,663
5.625%, 02/26/2044	235,000	168,626
6.250%, 11/26/2025	COP 3,780,000,000	798,982
7.500%, 08/26/2026	3,905,000,000	839,009
10.000%, 07/24/2024	4,909,200,000	1,180,072
		3,879,422
Greece – 0.6%		
Republic of Greece		
1.500%, 06/18/2030 (A)	EUR 1,020,000	916,750
2.000%, 04/22/2027 (A)	779,000	789,855
4.200%, 01/30/2042	685,000	762,164
		2,468,769
India – 0.2%		
Republic of India		
6.100%, 07/12/2031	INR 33,840,000	390,488
6.450%, 10/07/2029	33,000,000	396,367
7.270%, 04/08/2026	15,300,000	194,086
		980,941
Indonesia – 3.0%		
Perusahaan Penerbit SBSN Indonesia III		
4.150%, 03/29/2023 (A)	\$ 940,000	923,550
Republic of Indonesia		
1.100%, 03/12/2033	EUR 261,000	194,167
2.150%, 07/18/2024 (A)	740,000	767,848
2.625%, 06/14/2023 (A)	850,000	898,378
3.050%, 03/12/2051	\$ 545,000	414,191
3.850%, 10/15/2030	405,000	385,335
6.375%, 04/15/2032	IDR 30,847,000,000	1,944,253
6.500%, 06/15/2025	27,798,000,000	1,913,512
6.625%, 05/15/2033	6,431,000,000	405,808
7.500%, 06/15/2035 to 05/15/2038	10,834,000,000	725,489
8.125%, 05/15/2024	3,514,000,000	248,262
8.375%, 09/15/2026	12,897,000,000	934,513
8.750%, 05/15/2031	17,423,000,000	1,269,694
9.000%, 03/15/2029	6,709,000,000	495,402
		11,520,402
Ireland – 0.1%		
Republic of Ireland		
1.100%, 05/15/2029	EUR 315,000	319,574
Italy – 0.6%		
Republic of Italy		
1.250%, 02/17/2026	\$ 742,000	661,263
1.850%, 07/01/2025 (A)	EUR 1,710,000	1,788,118
		2,449,381
Japan – 1.1%		
Government of Japan		
0.005%, 03/20/2027	JPY 107,000,000	788,722
0.100%, 06/20/2025	447,900,000	3,316,797
		4,105,519
Malaysia – 1.2%		
Government of Malaysia		
3.733%, 06/15/2028	MYR 1,930,000	427,189
3.828%, 07/05/2034	1,965,000	412,023
3.844%, 04/15/2033	4,313,000	915,383
3.882%, 03/14/2025	2,835,000	649,318
3.899%, 11/16/2027	3,370,000	757,596
3.900%, 11/30/2026	1,805,000	408,620
4.059%, 09/30/2024	3,895,000	895,122
		4,465,251

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Mexico – 1.3%			
Government of Mexico			
5.000%, 03/06/2025	MXN	14,040,000	\$ 625,930
5.750%, 03/05/2026			1,066,178
7.500%, 06/03/2027		44,140,000	2,051,233
7.750%, 05/29/2031		32,570,000	1,489,738
			5,233,079
Netherlands – 0.3%			
Kingdom of the Netherlands			
2.000%, 07/15/2024 (A)	EUR	937,000	1,007,577
New Zealand – 1.5%			
Government of New Zealand			
0.500%, 05/15/2024 to 05/15/2026	NZD	6,945,000	4,010,008
1.500%, 04/15/2026			680,000
4.500%, 04/15/2027		1,495,000	949,203
5.500%, 04/15/2023		460,000	292,144
			5,635,706
Norway – 1.4%			
Kingdom of Norway			
1.500%, 02/19/2026 (A)	NOK	7,640,000	735,962
1.750%, 03/13/2025 to 02/17/2027 (A)		15,620,000	1,524,575
2.000%, 05/24/2023 (A)		19,400,000	1,962,530
Kommunalbanken AS			
4.250%, 07/16/2025	AUD	1,070,000	747,822
5.250%, 07/15/2024		764,000	544,339
			5,515,228
Philippines – 0.5%			
Republic of the Philippines			
0.875%, 05/17/2027	EUR	1,465,000	1,368,521
6.250%, 01/14/2036	PHP	43,000,000	763,834
			2,132,355
Portugal – 0.6%			
Republic of Portugal			
0.475%, 10/18/2030 (A)	EUR	1,905,000	1,740,826
0.700%, 10/15/2027 (A)		435,000	432,853
			2,173,679
Qatar – 0.3%			
State of Qatar			
4.000%, 03/14/2029 (A)	\$	475,000	478,696
4.817%, 03/14/2049 (A)		710,000	713,347
			1,192,043
Singapore – 0.3%			
Republic of Singapore			
1.250%, 11/01/2026	SGD	905,000	611,300
2.375%, 06/01/2025		650,000	463,256
			1,074,556
Spain – 0.5%			
Kingdom of Spain			
0.250%, 07/30/2024 (A)	EUR	875,000	902,185
0.800%, 07/30/2027 (A)		865,000	864,970
			1,767,155
Sweden – 0.3%			
Kingdom of Sweden			
0.125%, 04/24/2023 (A)		955,000	997,400
United Arab Emirates – 0.4%			
Government of Abu Dhabi			
1.700%, 03/02/2031 (A)	\$	465,000	390,166
3.125%, 04/16/2030 (A)		730,000	692,259
3.875%, 04/16/2050 (A)		475,000	421,677
			1,504,102

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
United Kingdom – 0.4%			
Government of United Kingdom			
0.125%, 01/31/2024	GBP	1,070,000	\$ 1,265,023
0.250%, 01/31/2025		335,000	389,977
			1,655,000
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$95,953,984)			\$ 82,893,030
CORPORATE BONDS – 46.4%			
Communication services – 5.5%			
CCO Holdings LLC			
4.250%, 02/01/2031 (A)	\$	165,000	134,475
4.500%, 08/15/2030 to 06/01/2033 (A)		1,245,000	1,012,144
4.750%, 03/01/2030 (A)		1,030,000	880,908
5.125%, 05/01/2027 (A)		1,245,000	1,174,969
Cellnex Telecom SA			
1.875%, 06/26/2029	EUR	500,000	400,034
Charter Communications Operating LLC			
2.800%, 04/01/2031	\$	230,000	184,197
5.125%, 07/01/2049		1,395,000	1,154,671
5.750%, 04/01/2048		790,000	708,120
CT Trust			
5.125%, 02/03/2032 (A)		360,000	288,450
Globo Comunicacao e Participacoes SA			
5.500%, 01/14/2032 (A)		550,000	427,583
IHS Holding, Ltd.			
6.250%, 11/29/2028 (A)		370,000	298,405
Kenbourne Invest SA			
4.700%, 01/22/2028 (A)		450,000	343,089
LCPR Senior Secured Financing DAC			
5.125%, 07/15/2029 (A)		785,000	655,475
Match Group Holdings II LLC			
4.125%, 08/01/2030 (A)		705,000	588,749
Millicom International Cellular SA			
4.500%, 04/27/2031 (A)		530,000	392,200
Netflix, Inc.			
4.875%, 04/15/2028		285,000	268,199
5.375%, 11/15/2029 (A)		1,110,000	1,048,950
News Corp.			
3.875%, 05/15/2029 (A)		1,685,000	1,454,940
Sirius XM Radio, Inc.			
4.125%, 07/01/2030 (A)		1,160,000	968,820
T-Mobile USA, Inc.			
2.625%, 04/15/2026 to 02/15/2029		670,000	579,440
2.875%, 02/15/2031		400,000	332,092
3.375%, 04/15/2029		470,000	411,250
3.500%, 04/15/2031		785,000	677,793
4.750%, 02/01/2028		165,000	159,920
Total Play Telecomunicaciones SA de CV			
7.500%, 11/12/2025 (A)		895,000	783,331
Virgin Media Finance PLC			
5.000%, 07/15/2030 (A)		720,000	570,600
Virgin Media Secured Finance PLC			
4.500%, 08/15/2030 (A)		670,000	550,546
5.500%, 05/15/2029 (A)		1,161,000	1,037,992
Vmed O2 UK Financing I PLC			
3.250%, 01/31/2031 (A)	EUR	735,000	590,863
4.250%, 01/31/2031 (A)	\$	1,225,000	984,594
VTR Comunicaciones SpA			
4.375%, 04/15/2029 (A)		315,000	215,410
5.125%, 01/15/2028 (A)(B)		415,000	299,374
VTR Finance NV			
6.375%, 07/15/2028 (A)		510,000	363,833

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
WMG Acquisition Corp. 3.000%, 02/15/2031 (A)	\$ 1,910,000	\$ 1,481,511
		21,422,927
Consumer discretionary – 4.6%		
BMW Finance NV 1.000%, 11/14/2024	EUR 410,000	420,660
Carnival Corp. 5.750%, 03/01/2027 (A)	\$ 1,165,000	841,456
Ford Motor Company 3.250%, 02/12/2032	580,000	433,782
Ford Motor Credit Company LLC 2.748%, 06/14/2024	GBP 316,000	354,413
2.900%, 02/16/2028	\$ 360,000	290,074
3.625%, 06/17/2031	1,220,000	945,500
4.000%, 11/13/2030	255,000	206,615
4.125%, 08/17/2027	205,000	180,503
4.542%, 08/01/2026	445,000	407,095
4.950%, 05/28/2027	1,115,000	1,035,556
Hilton Domestic Operating Company, Inc. 3.625%, 02/15/2032 (A)	485,000	385,272
4.875%, 01/15/2030	710,000	641,663
Hyatt Hotels Corp. 6.000%, 04/23/2030	744,000	749,110
MercadoLibre, Inc. 2.375%, 01/14/2026	565,000	487,329
3.125%, 01/14/2031	450,000	324,140
MGM Resorts International 4.750%, 10/15/2028	105,000	88,300
New Red Finance, Inc. 3.500%, 02/15/2029 (A)	743,000	628,964
3.875%, 01/15/2028 (A)	970,000	841,882
4.000%, 10/15/2030 (A)	2,124,000	1,704,510
Royal Caribbean Cruises, Ltd. 4.250%, 07/01/2026 (A)	690,000	490,148
5.500%, 04/01/2028 (A)(B)	1,235,000	858,325
Travel + Leisure Company 4.500%, 12/01/2029 (A)	895,000	692,363
6.625%, 07/31/2026 (A)	372,000	352,704
Wyndham Hotels & Resorts, Inc. 4.375%, 08/15/2028 (A)	660,000	577,276
Yum! Brands, Inc. 3.625%, 03/15/2031	1,795,000	1,507,800
4.625%, 01/31/2032	875,000	773,063
4.750%, 01/15/2030 (A)	1,773,000	1,608,998
		17,827,501
Consumer staples – 3.2%		
Becle SAB de CV 2.500%, 10/14/2031 (A)	795,000	635,323
Darling Ingredients, Inc. 6.000%, 06/15/2030 (A)	500,000	498,325
JBS Finance Luxembourg Sarl 3.625%, 01/15/2032 (A)	1,070,000	864,025
JBS USA LUX SA 5.750%, 04/01/2033 (A)	735,000	699,933
Kraft Heinz Foods Company 3.000%, 06/01/2026	662,000	623,668
3.875%, 05/15/2027	370,000	357,809
4.250%, 03/01/2031	1,525,000	1,450,125
4.375%, 06/01/2046	280,000	233,353
4.625%, 10/01/2039	1,090,000	956,571
6.875%, 01/26/2039	1,220,000	1,340,566
7.125%, 08/01/2039 (A)	165,000	184,835
MARB BondCo PLC 3.950%, 01/29/2031 (A)	1,205,000	925,163

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Natura & Company Luxembourg Holdings Sarl 6.000%, 04/19/2029 (A)	\$ 390,000	\$ 343,200
Natura Cosméticos SA 4.125%, 05/03/2028 (A)(B)	830,000	683,422
NBM US Holdings, Inc. 7.000%, 05/14/2026 (A)	205,000	208,075
Oriflame Investment Holding PLC 5.125%, 05/04/2026 (A)	367,000	232,128
Post Holdings, Inc. 4.500%, 09/15/2031 (A)	725,000	592,941
5.500%, 12/15/2029 (A)	285,000	254,784
5.625%, 01/15/2028 (A)	1,255,000	1,191,246
		12,275,492
Energy – 6.0%		
Aker BP ASA 3.750%, 01/15/2030 (A)	750,000	671,900
Cenovus Energy, Inc. 3.500%, 02/07/2028	CAD 510,000	370,935
5.250%, 06/15/2037	\$ 194,000	189,176
5.400%, 06/15/2047	777,000	746,341
6.750%, 11/15/2039	1,806,000	1,926,300
Cheniere Energy Partners LP 4.000%, 03/01/2031	1,252,000	1,064,576
4.500%, 10/01/2029	390,000	348,153
Continental Resources, Inc. 2.875%, 04/01/2032 (A)	1,206,000	941,790
5.750%, 01/15/2031 (A)	1,490,000	1,440,741
Ecopetrol SA 4.625%, 11/02/2031	435,000	329,508
5.375%, 06/26/2026	230,000	212,964
5.875%, 05/28/2045	235,000	159,644
6.875%, 04/29/2030	470,000	415,480
Enbridge, Inc. 3.125%, 11/15/2029	990,000	894,916
EQT Corp. 3.125%, 05/15/2026 (A)	190,000	177,899
3.625%, 05/15/2031 (A)(B)	2,235,000	1,931,174
3.900%, 10/01/2027	325,000	302,442
Inversiones Latin America Power Ltda 5.125%, 06/15/2033 (A)	569,952	326,297
Kinder Morgan, Inc. 5.300%, 12/01/2034	230,000	224,673
MC Brazil Downstream Trading SARL 7.250%, 06/30/2031 (A)	955,000	758,929
Medco Oak Tree Pte, Ltd. 7.375%, 05/14/2026 (A)	625,000	569,063
Occidental Petroleum Corp. 3.200%, 08/15/2026	154,000	138,600
3.400%, 04/15/2026	238,000	216,580
6.125%, 01/01/2031	775,000	785,404
6.625%, 09/01/2030	1,160,000	1,194,800
7.500%, 05/01/2031	335,000	360,125
Ovintiv, Inc. 6.500%, 08/15/2034 to 02/01/2038	1,375,000	1,428,776
Pertamina Persero PT 3.100%, 01/21/2030 (A)	255,000	224,069
3.650%, 07/30/2029 (A)	295,000	271,753
Petrobras Global Finance BV 6.900%, 03/19/2049	955,000	853,293
Petrorio Luxembourg Trading Sarl 6.125%, 06/09/2026 (A)	505,000	464,600
Qatar Energy 2.250%, 07/12/2031 (A)	380,000	324,425
3.300%, 07/12/2051 (A)	295,000	227,662

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Saudi Arabian Oil Company 4.250%, 04/16/2039 (A)	\$ 340,000	\$ 313,534
4.375%, 04/16/2049 (A)	475,000	420,489
Southwestern Energy Company 5.950%, 01/23/2025	17,000	16,794
The Williams Companies, Inc. 3.500%, 11/15/2030	80,000	72,102
TransCanada PipeLines, Ltd. 4.100%, 04/15/2030	1,060,000	1,012,444
Transcontinental Gas Pipe Line Company LLC 3.250%, 05/15/2030	80,000	71,843
Western Midstream Operating LP 4.550%, 02/01/2030	975,000	843,375
		23,243,569
Financials – 10.7%		
American International Group, Inc. (8.175% to 5-15-38, then 3 month LIBOR + 4.195%) 05/15/2058	1,700,000	2,010,250
Asian Development Bank 3.000%, 10/14/2026	AUD 565,000	374,851
Banco Actinver SA 4.800%, 12/18/2032 (A)	\$ 215,000	144,856
9.500%, 12/18/2032 (A)	MXN 12,100,000	386,897
Banco Santander SA (4.750% to 11-12-26, then 5 Year CMT + 3.753%) 11/12/2026 (C)	\$ 800,000	654,153
Barclays PLC (4.375% to 3-15-28, then 5 Year CMT + 3.410%) 03/15/2028 (C)	505,000	387,266
Berkshire Hathaway Finance Corp. 2.375%, 06/19/2039	GBP 610,000	602,276
Berkshire Hathaway, Inc., Zero Coupon 0.000%, 03/12/2025	EUR 975,000	968,405
BNG Bank NV 0.250%, 06/07/2024	395,000	407,026
BNP Paribas SA (4.500% to 2-25-30, then 5 Year CMT + 2.944%) 02/25/2030 (A)(B)(C)	\$ 820,000	613,576
BNP Paribas SA (4.625% to 2-25-31, then 5 Year CMT + 3.340%) 02/25/2031 (A)(C)	1,421,000	1,048,695
Capital One Financial Corp. 0.800%, 06/12/2024	EUR 155,000	156,299
Chubb INA Holdings, Inc. 0.300%, 12/15/2024	875,000	876,081
Citigroup, Inc. (3 month EURIBOR + 0.500%) 0.331%, 03/21/2023 (D)	920,000	965,271
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	197,668
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	813,640
Credit Suisse Group AG (5.100% to 1-24-30, then 5 Year CMT + 3.293%) 01/24/2030 (A)(B)(C)	420,000	305,323
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (A)(C)	855,000	706,442
DB Insurance Company, Ltd. 3.512%, 05/25/2024	KRW 1,000,000,000	758,355
3.865%, 05/25/2027	1,000,000,000	743,774

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Deutsche Bank AG (6.000% to 10-30-25, then 5 Year CMT + 4.524%) 10/30/2025 (C)	\$ 800,000	\$ 690,000
European Investment Bank (SONIA + 0.350%) 1.538%, 06/29/2023 (D)	GBP 550,000	671,303
ING Groep NV (4.250% to 5-16-31, then 5 Year CMT + 2.862%) 05/16/2031 (C)	\$ 790,000	538,700
ING Groep NV (5.750% to 11-16-26, then 5 Year CMT + 4.342%) 11/16/2026 (C)	1,037,000	948,855
Inter-American Development Bank 2.700%, 01/29/2026	AUD 582,000	386,167
2.750%, 10/30/2025	500,000	334,150
International Bank for Reconstruction & Development 1.800%, 01/19/2027	CAD 625,000	451,052
1.900%, 01/16/2025	1,390,000	1,040,956
2.875%, 11/30/2026	NZD 715,000	422,301
International Finance Corp. 0.375%, 09/10/2025	1,240,000	687,001
2.550%, 09/18/2023	CNY 3,110,000	464,572
Intesa Sanpaolo SpA (4.198% to 6-1-31, then 1 Year CMT + 2.600%) 06/01/2032 (A)	\$ 740,000	542,017
Intesa Sanpaolo SpA (7.700% to 9-17-25, then 5 Year U.S. Swap Rate + 5.462%) 09/17/2025 (A)(B)(C)	800,000	720,598
Lloyds Banking Group PLC (7.500% to 9-27-25, then 5 Year U.S. Swap Rate + 4.496%) 09/27/2025 (C)	640,000	623,790
Mexico Remittances Funding Fiduciary Estate Management Sarl 4.875%, 01/15/2028 (A)	630,000	510,300
MSCI, Inc. 3.250%, 08/15/2033 (A)	390,000	310,865
3.625%, 09/01/2030 to 11/01/2031 (A)	2,374,000	1,970,266
3.875%, 02/15/2031 (A)	765,000	654,075
NatWest Group PLC (4.600% to 6-28-31, then 5 Year CMT + 3.100%) 06/28/2031 (C)	410,000	301,863
NatWest Group PLC (6.000% to 12-29-25, then 5 Year CMT + 5.625%) 12/29/2025 (C)	840,000	777,342
Nordea Eiendoms-kreditt AS (3 month NIBOR + 0.300%) 1.720%, 06/21/2023 (D)	NOK 7,000,000	711,776
Nordea Eiendoms-kreditt AS (3 month NIBOR + 0.340%) 1.780%, 06/19/2024 (D)	12,000,000	1,220,529
Nordic Investment Bank 1.875%, 04/10/2024	3,920,000	390,036
Popular, Inc. 6.125%, 09/14/2023	\$ 1,625,000	1,636,952
QNB Finance, Ltd. 3.500%, 03/28/2024	330,000	327,972
Royal Bank of Canada (4.200% to 2-24-27, then 5 Year Canada Government Bond Yield + 2.710%) 02/24/2027 (C)	CAD 615,000	410,395
Shinhan Financial Group Company, Ltd. (2.875% to 5-12-26, then 5 Year CMT + 2.064%) 05/12/2026 (A)(C)	\$ 880,000	778,800

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
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	\$ 363,034
Societe Generale SA (8.000% to 9-29-25, then 5 Year ICE Swap Rate + 5.873%) 09/29/2025 (A)(C)	660,000	646,503
Starwood Property Trust, Inc. 4.375%, 01/15/2027 (A)	335,000	290,800
Swiss Insured Brazil Power Finance Sarl 9.850%, 07/16/2032 (A)	BRL 8,166,610	1,341,999
The Goldman Sachs Group, Inc. 1.375%, 05/15/2024	EUR 983,000	1,022,615
2.000%, 11/01/2028	208,000	198,444
3.375%, 03/27/2025	187,000	198,683
U.S. Bancorp 0.850%, 06/07/2024	2,560,000	2,603,222
U.S. Bancorp (3.700% to 1-15-27, then 5 Year CMT + 2.541%) 01/15/2027 (C)	\$ 1,277,000	980,098
UBS Group AG (3.875% to 6-2-26, then 5 Year CMT + 3.098%) 06/02/2026 (A)(C)	550,000	447,684
UBS Group AG (4.375% to 2-10-31, then 5 Year CMT + 3.313%) 02/10/2031 (A)(C)	625,000	457,250
UBS Group AG (5.125% to 7-29-26, then 5 Year CMT + 4.855%) 07/29/2026 (C)	466,000	417,653
UniCredit SpA (5.459% to 6-30-30, then 5 Year CMT + 4.750%) 06/30/2035 (A)	210,000	169,719
UniCredit SpA (8.000% to 6-3-24, then 5 Year U.S. Swap Rate + 5.180%) 06/03/2024 (C)	400,000	375,000
		41,156,441
Health care – 3.8%		
Allergan Funding SCS 1.250%, 06/01/2024	EUR 520,000	527,553
2.625%, 11/15/2028	300,000	292,698
Becton Dickinson Euro Finance Sarl 1.208%, 06/04/2026	745,000	733,276
Centene Corp. 2.500%, 03/01/2031	\$ 905,000	718,353
3.000%, 10/15/2030	1,795,000	1,487,606
3.375%, 02/15/2030	1,765,000	1,496,808
4.625%, 12/15/2029	260,000	242,450
DH Europe Finance II Sarl 0.450%, 03/18/2028	EUR 1,630,000	1,500,194
HCA, Inc. 3.500%, 09/01/2030	\$ 3,693,000	3,141,672
4.125%, 06/15/2029	1,175,000	1,071,348
5.375%, 02/01/2025	1,305,000	1,298,162
Rede D'or Finance Sarl 4.500%, 01/22/2030 (A)	367,000	309,385
4.950%, 01/17/2028 (A)	310,000	283,033
Thermo Fisher Scientific, Inc. 0.500%, 03/01/2028	EUR 650,000	604,704
0.750%, 09/12/2024	282,000	288,895
1.400%, 01/23/2026	468,000	474,133
		14,470,270
Industrials – 3.9%		
AECOM 5.125%, 03/15/2027	\$ 835,000	789,075
Airbus SE 1.625%, 06/09/2030	EUR 255,000	248,587

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
American Airlines, Inc. 5.500%, 04/20/2026 (A)	\$ 970,000	\$ 891,221
5.750%, 04/20/2029 (A)	790,000	674,470
CoStar Group, Inc. 2.800%, 07/15/2030 (A)	269,000	223,967
DAE Funding LLC 3.375%, 03/20/2028 (A)	640,000	562,048
Delta Air Lines 2020-1 Class A Pass Through Trust 2.500%, 06/10/2028	442,412	387,386
Delta Air Lines, Inc. 2.900%, 10/28/2024	540,000	499,100
4.500%, 10/20/2025 (A)	200,000	194,333
4.750%, 10/20/2028 (A)	3,217,000	3,038,708
7.375%, 01/15/2026	165,000	164,744
Hidroviias International Finance SARL 4.950%, 02/08/2031 (A)	350,000	270,813
Indian Railway Finance Corp., Ltd. 3.249%, 02/13/2030 (A)	645,000	557,242
Johnson Controls International PLC 0.375%, 09/15/2027	EUR 240,000	213,202
Movida Europe SA 5.250%, 02/08/2031 (A)	\$ 235,000	182,066
Simpar Europe SA 5.200%, 01/26/2031 (A)	315,000	243,338
Simpar Finance Sarl 10.750%, 02/12/2028 (A)	BRL 3,000,000	458,783
The Boeing Company 5.040%, 05/01/2027	\$ 1,035,000	1,022,340
5.150%, 05/01/2030	2,425,000	2,327,704
United Rentals North America, Inc. 3.875%, 02/15/2031	1,120,000	944,818
4.000%, 07/15/2030	660,000	564,221
4.875%, 01/15/2028	530,000	501,104
		14,959,270
Information technology – 1.1%		
Apple, Inc. 0.875%, 05/24/2025	EUR 865,000	884,599
Atento Luxco 1 SA 8.000%, 02/10/2026 (A)	\$ 486,000	343,234
CDW LLC 4.250%, 04/01/2028	165,000	148,913
Dell International LLC 8.350%, 07/15/2046	541,000	673,721
Fidelity National Information Services, Inc. 1.000%, 12/03/2028	EUR 425,000	385,612
1.500%, 05/21/2027	820,000	794,120
Fiserv, Inc. 1.125%, 07/01/2027	290,000	277,328
Gartner, Inc. 3.750%, 10/01/2030 (A)	\$ 475,000	404,344
SK Hynix, Inc. 1.500%, 01/19/2026 (A)	485,000	435,903
		4,347,774
Materials – 4.0%		
Ardagh Metal Packaging Finance USA LLC 3.250%, 09/01/2028 (A)	960,000	819,426
Ball Corp. 2.875%, 08/15/2030	520,000	418,551
4.875%, 03/15/2026	1,035,000	1,018,181
5.250%, 07/01/2025	1,185,000	1,185,818
Berry Global, Inc. 5.625%, 07/15/2027 (A)	590,000	564,595

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Braskem Idesa SAPI		
6.990%, 02/20/2032 (A)	\$ 480,000	\$ 370,531
Braskem Netherlands Finance BV		
4.500%, 01/31/2030 (A)	570,000	486,142
5.875%, 01/31/2050 (A)	585,000	462,097
Cemex SAB de CV		
3.875%, 07/11/2031 (A)	1,355,000	1,016,250
Cleveland-Cliffs, Inc.		
4.625%, 03/01/2029 (A)(B)	1,475,000	1,301,688
4.875%, 03/01/2031 (A)(B)	790,000	696,519
Ecolab, Inc.		
1.000%, 01/15/2024	EUR 330,000	340,969
FMG Resources Proprietary, Ltd.		
4.375%, 04/01/2031 (A)	\$ 905,000	738,607
Freeport-McMoRan, Inc.		
4.125%, 03/01/2028	140,000	129,958
4.625%, 08/01/2030	985,000	913,863
5.450%, 03/15/2043	1,905,000	1,762,220
FS Luxembourg Sarl		
10.000%, 12/15/2025 (A)	870,000	877,049
Indonesia Asahan Aluminium Persero PT		
4.750%, 05/15/2025 (A)	1,090,000	1,082,784
Sealed Air Corp.		
5.000%, 04/15/2029 (A)	425,000	397,375
St. Mary's Cement, Inc.		
5.750%, 01/28/2027 (A)	830,000	826,265
		15,408,888
Real estate – 1.4%		
American Tower Corp.		
0.500%, 01/15/2028	EUR 270,000	236,675
1.950%, 05/22/2026	305,000	304,492
Crown Castle International Corp.		
2.250%, 01/15/2031	\$ 215,000	174,394
Host Hotels & Resorts LP		
3.375%, 12/15/2029	240,000	203,152
3.500%, 09/15/2030	240,000	205,018
SBA Communications Corp.		
3.125%, 02/01/2029	955,000	781,668
3.875%, 02/15/2027	1,900,000	1,734,301
VICI Properties LP		
4.125%, 08/15/2030 (A)	895,000	772,313
4.625%, 12/01/2029 (A)	385,000	344,173
5.125%, 05/15/2032	750,000	706,755
		5,462,941
Utilities – 2.2%		
Chile Electricity PEC SpA		
5.641%, 01/25/2028 (A)(E)	285,000	208,984
DPL, Inc.		
4.125%, 07/01/2025	1,330,000	1,227,835
E.ON SE		
0.375%, 09/29/2027	EUR 315,000	290,777
EDP Finance BV		
0.375%, 09/16/2026	130,000	124,435
Engie SA		
0.375%, 06/21/2027	300,000	281,712
FirstEnergy Corp.		
4.400%, 07/15/2027	\$ 890,000	839,475
7.375%, 11/15/2031	1,355,000	1,520,988
Greenko Dutch BV		
3.850%, 03/29/2026 (A)	596,550	505,576
Greenko Solar Mauritius, Ltd.		
5.550%, 01/29/2025 (A)	430,000	402,265
Greenko Wind Projects Mauritius, Ltd.		
5.500%, 04/06/2025 (A)	775,000	709,513

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Israel Electric Corp., Ltd.		
3.750%, 02/22/2032 (A)	\$ 490,000	\$ 438,298
6.875%, 06/21/2023 (A)	390,000	399,622
Perusahaan Perseroan Persero PT		
Perusahaan Listrik Negara		
4.125%, 05/15/2027 (A)	1,440,000	1,383,235
The AES Corp.		
3.950%, 07/15/2030 (A)	160,000	144,272
		8,476,987
TOTAL CORPORATE BONDS (Cost \$210,288,580)		
		\$ 179,052,060
CONVERTIBLE BONDS – 1.8%		
Communication services – 0.6%		
Liberty Broadband Corp.		
1.250%, 09/30/2050 (A)	1,205,000	1,125,470
2.750%, 09/30/2050 (A)	815,000	775,213
Liberty Media Corp.		
0.500%, 12/01/2050 (A)	500,000	559,500
		2,460,183
Consumer discretionary – 0.2%		
Burlington Stores, Inc.		
2.250%, 04/15/2025	705,000	694,866
Industrials – 1.0%		
Air Canada		
4.000%, 07/01/2025	500,000	544,738
American Airlines Group, Inc.		
6.500%, 07/01/2025	1,395,000	1,465,699
Southwest Airlines Company		
1.250%, 05/01/2025	915,000	1,077,413
Uber Technologies, Inc.		
6.648%, 12/15/2025 (E)	945,000	753,843
		3,841,693
TOTAL CONVERTIBLE BONDS (Cost \$8,130,034)		
		\$ 6,996,742
CAPITAL PREFERRED SECURITIES – 0.1%		
Financials – 0.1%		
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 08/01/2022 (C)(D)	617,000	432,394
TOTAL CAPITAL PREFERRED SECURITIES (Cost \$554,594)		
		\$ 432,394
TERM LOANS (F) – 10.2%		
Communication services – 1.0%		
AP Core Holdings II LLC, Amortization Term Loan B1 (1 month LIBOR + 5.500%) 7.166%, 09/01/2027	683,375	646,357
AP Core Holdings II LLC, High-Yield Term Loan B2 (1 month LIBOR + 5.500%) 7.166%, 09/01/2027	490,000	460,600
SBA Senior Finance II LLC, 2018 Term Loan B (1 month LIBOR + 1.750%) 3.420%, 04/11/2025	1,179,660	1,134,609
Univision Communications, Inc., 2021 First Lien Term Loan B (1 month LIBOR + 3.250%) 4.916%, 03/15/2026	682,314	643,368
Univision Communications, Inc., 2022 First Lien Term Loan B (3 month SOFR + 4.250%) 6.254%, 06/08/2029	80,000	76,066

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Communication services (continued)		
WMG Acquisition Corp., 2021 Term Loan G (1 month LIBOR + 2.125%) 3.791%, 01/20/2028	\$ 915,000	\$ 876,396
		3,837,396
Consumer discretionary – 3.3%		
APX Group, Inc., 2021 Term Loan B (Prime rate + 2.500% and 1 month LIBOR + 3.500%) 5.016%, 07/10/2028	362,263	341,320
Aramark Services, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%) 3.416%, 03/11/2025	1,722,000	1,649,246
Bally's Corp., 2021 Term Loan B (1 month LIBOR + 3.250%) 4.370%, 10/02/2028	502,475	465,181
Burlington Coat Factory Warehouse Corp., 2021 Term Loan B6 (1 month LIBOR + 2.000%) 3.670%, 06/24/2028	905,850	856,028
Carnival Corp., 2021 Incremental Term Loan B (6 month LIBOR + 3.250%) 6.127%, 10/18/2028	467,650	418,547
Carnival Corp., USD Term Loan B (6 month LIBOR + 3.000%) 5.877%, 06/30/2025	1,201,979	1,113,634
Fertitta Entertainment LLC, 2022 Term Loan B (1 month SOFR + 4.000%) 5.525%, 01/27/2029	52,250	50,659
Hilton Grand Vacations Borrower LLC, 2021 Term Loan B (1 month LIBOR + 3.000%) 4.666%, 08/02/2028	576,048	538,248
Hilton Worldwide Finance LLC, 2019 Term Loan B2 (1 month LIBOR + 1.750%) 3.374%, 06/22/2026	800,000	767,464
Hunter Douglas, Inc., USD Term Loan B1 (3 month SOFR + 3.500%) 4.842%, 02/26/2029	730,000	626,435
KFC Holding Company, 2021 Term Loan B (1 month LIBOR + 1.750%) 3.345%, 03/15/2028	1,665,917	1,640,928
Marriott Ownership Resorts, Inc., 2019 Term Loan B (1 month LIBOR + 1.750%) 3.416%, 08/29/2025	780,000	741,975
New Red Finance, Inc., Term Loan B4 (1 month LIBOR + 1.750%) 3.416%, 11/19/2026	2,291,883	2,183,591
RH, Term Loan B (1 month LIBOR + 2.500%) 4.166%, 10/20/2028	898,598	784,593
Whatabrands LLC, 2021 Term Loan B (1 month LIBOR + 3.250%) 4.916%, 08/03/2028	779,125	728,482
		12,906,331
Energy – 0.4%		
Pilot Travel Centers LLC, 2021 Term Loan B (1 month SOFR + 2.000%) 3.625%, 08/04/2028	1,558,225	1,490,053
Financials – 0.3%		
Asurion LLC, 2021 Second Lien Term Loan B4 (1 month LIBOR + 5.250%) 6.916%, 01/20/2029	650,000	549,250
Asurion LLC, 2021 Term Loan B9 (1 month LIBOR + 3.250%) 4.916%, 07/31/2027	480,138	433,324
		982,574

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Health care – 1.8%		
athenahealth, Inc., 2022 Term Loan B (1 month SOFR + 3.500%) 5.009%, 02/15/2029	\$ 270,000	\$ 247,895
Avantor Funding, Inc., 2021 Term Loan B5 (1 month LIBOR + 2.250%) 3.916%, 11/08/2027	691,134	662,950
Grifols Worldwide Operations USA, Inc., USD 2019 Term Loan B 11/15/2027 TBD (G)	1,050,000	990,024
ICON Luxembourg Sarl, LUX Term Loan (3 month LIBOR + 2.250%) 4.563%, 07/03/2028	893,661	862,133
ICON Luxembourg Sarl, US Term Loan (3 month LIBOR + 2.250%) 4.563%, 07/03/2028	222,660	214,805
Jazz Financing Lux Sarl, USD Term Loan (1 month LIBOR + 3.500%) 5.166%, 05/05/2028	1,222,650	1,163,999
Medline Borrower LP, USD Term Loan B (1 month LIBOR + 3.250%) 4.916%, 10/23/2028	1,221,938	1,131,245
Organon & Company, USD Term Loan (3 month LIBOR + 3.000%) 4.625%, 06/02/2028	1,220,306	1,172,006
Padagis LLC, Term Loan B (3 month LIBOR + 4.750%) 5.719%, 07/06/2028	686,118	629,513
		7,074,570
Industrials – 2.8%		
AAdvantage Loyalty IP, Ltd., 2021 Term Loan 04/20/2028 TBD (G)	1,425,000	1,356,800
AECOM, 2021 Term Loan B (1 month LIBOR + 1.750%) 3.416%, 04/13/2028	1,307,790	1,302,886
Air Canada, 2021 Term Loan B (3 month LIBOR + 3.500%) 4.250%, 08/11/2028	1,080,000	990,900
Avis Budget Car Rental LLC, 2022 Term Loan C (1 month SOFR + 3.500%) 5.125%, 03/16/2029	473,813	452,491
Brown Group Holding LLC, Term Loan B (1 month LIBOR + 2.500%) 4.166%, 06/07/2028	525,542	497,625
Clean Harbors, Inc., 2021 Incremental Term Loan B (1 month LIBOR + 2.000%) 3.666%, 10/08/2028	467,650	462,974
JELD-WEN, Inc., 2021 Term Loan B (1 month LIBOR + 2.250%) 3.916%, 07/28/2028	336,600	318,760
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 7.313%, 06/21/2027	835,000	823,310
MillerKnoll, Inc., Term Loan B (1 month LIBOR + 2.000%) 3.652%, 07/19/2028	818,813	748,706
Setanta Aircraft Leasing DAC, Term Loan B (3 month LIBOR + 2.000%) 4.250%, 11/05/2028	460,000	436,618
The Hertz Corp., 2021 Term Loan B (1 month LIBOR + 3.250%) 4.920%, 06/30/2028	1,209,892	1,136,863
The Hertz Corp., 2021 Term Loan C (1 month LIBOR + 3.250%) 4.920%, 06/30/2028	230,900	216,963

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Industrials (continued)		
Trans Union LLC, 2021 Term Loan B6 (1 month LIBOR + 2.250%) 3.916%, 12/01/2028	\$ 463,293	\$ 440,805
United Airlines, Inc., 2021 Term Loan B (1 month LIBOR + 3.750%) 5.392%, 04/21/2028	1,557,268	1,443,400
Worldwide Express, Inc., 2021 1st Lien Term Loan (3 month LIBOR + 4.250%) 6.250%, 07/26/2028	102,761	93,994
		10,723,095
Information technology – 0.3%		
Central Parent, Inc., 2022 USD Term Loan B 06/08/2029 TBD (G)	245,000	230,944
Entegris, Inc., 2022 Term Loan B 03/02/2029 TBD (G)	311,000	300,115
Quest Software, Inc., 2022 Term Loan (3 month SOFR + 4.250%) 4.750%, 02/01/2029	765,000	678,218
		1,209,277
Materials – 0.3%		
Berry Global, Inc., 2021 Term Loan Z 07/01/2026 TBD (G)	1,030,000	992,951
SCIH Salt Holdings, Inc., 2021 Incremental Term Loan B (6 month LIBOR + 4.000%) 4.750%, 03/16/2027	345,060	307,103
		1,300,054
TOTAL TERM LOANS (Cost \$41,766,557)		\$ 39,523,350
COLLATERALIZED MORTGAGE OBLIGATIONS – 3.6%		
Commercial and residential – 2.3%		
Arroyo Mortgage Trust Series 2019-1, Class A1 3.805%, 01/25/2049 (A)(H)	379,282	365,189
BOCA Commercial Mortgage Trust Series 2022-BOCA, Class B (1 month CME Term SOFR + 2.319%) 2.819%, 05/15/2039 (A)(D)	300,000	294,004
BX Commercial Mortgage Trust Series 2019-XL, Class A (1 month LIBOR + 0.920%), 2.244%, 10/15/2036 (A)(D)	1,544,846	1,517,644
Series 2021-CIP, Class A (1 month LIBOR + 0.921%), 2.245%, 12/15/2038 (A)(D)	470,000	455,837
Series 2021-VOLT, Class A (1 month LIBOR + 0.700%), 2.024%, 09/15/2036 (A)(D)	535,000	515,997
CAMB Commercial Mortgage Trust Series 2019-LIFE, Class A (1 month LIBOR + 1.070%) 2.394%, 12/15/2037 (A)(D)	364,300	357,433
COLT Mortgage Loan Trust Series 2022-5, Class A1 4.550%, 04/25/2067 (A)(H)	379,906	375,182
Credit Suisse Mortgage Capital Certificates Series 2019-ICE4, Class A (1 month LIBOR + 0.980%), 2.304%, 05/15/2036 (A)(D)	1,035,000	1,018,056
Series 2019-NQM1, Class A1, 2.656%, 10/25/2059 (A)	122,572	118,952

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
HarborView Mortgage Loan Trust Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (A)	\$ 3,510,044	\$ 36,516
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	3,698,500	48,578
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (A)	3,827,348	47,832
Life Mortgage Trust Series 2022-BMR2, Class A1 (1 month CME Term SOFR + 1.295%), 2.574%, 05/15/2039 (A)(D)	1,155,000	1,126,111
Series 2022-BMR2, Class B (1 month CME Term SOFR + 1.794%), 3.073%, 05/15/2039 (A)(D)	1,090,000	1,057,283
Series 2022-BMR2, Class D (1 month CME Term SOFR + 2.542%), 3.821%, 05/15/2039 (A)(D)	880,000	840,383
Morgan Stanley Mortgage Loan Trust Series 2004-9, Class 1A 5.327%, 11/25/2034 (H)	83,056	84,309
Verus Securitization Trust Series 2022-4, Class A2 4.740%, 04/25/2067 (A)(H)	525,344	510,202
		8,769,508
U.S. Government Agency – 1.3%		
Federal Home Loan Mortgage Corp. Series 2022-DNA3, Class M1A (1 month SOFR + 2.000%), 2.926%, 04/25/2042 (A)(D)	766,975	754,933
Series 2022-DNA4, Class M1A (1 month SOFR + 2.200%), 3.126%, 05/25/2042 (A)(D)	879,096	867,996
Series 2022-DNA4, Class M1B (1 month SOFR + 3.350%), 4.276%, 05/25/2042 (A)(D)	1,165,000	1,107,559
Series 2022-HQA1, Class M1B (1 month SOFR + 3.500%), 4.426%, 03/25/2042 (A)(D)	365,000	348,551
Federal National Mortgage Association Series 2022-R01, Class 1M1 (1 month SOFR + 1.000%), 1.926%, 12/25/2041 (A)(D)	311,957	305,312
Series 2022-R03, Class 1M1 (1 month SOFR + 2.100%), 3.026%, 03/25/2042 (A)(D)	115,057	113,025
Series 2022-R04, Class 1M1 (1 month SOFR + 2.000%), 2.926%, 03/25/2042 (A)(D)	234,443	229,857
Series 2022-R05, Class 2M2 (1 month SOFR + 3.000%), 3.926%, 04/25/2042 (A)(D)	1,040,000	988,468
Series 2022-R06, Class 1M1 (1 month SOFR + 2.750%), 3.698%, 05/25/2042 (A)(D)	429,400	428,318
		5,144,019
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$14,129,358)		\$ 13,913,527
ASSET BACKED SECURITIES – 1.1%		
DB Master Finance LLC Series 2019-1A, Class A2II 4.021%, 05/20/2049 (A)	471,663	454,806

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Domino's Pizza Master Issuer LLC Series 2015-1A, Class A2II 4.474%, 10/25/2045 (A)	\$ 855,225	\$ 851,036
FirstKey Homes Trust Series 2020-SFR2, Class A 1.266%, 10/19/2037 (A)	282,985	260,698
Home Partners of America Trust Series 2019-1, Class B 3.157%, 09/17/2039 (A)	350,949	325,919
Jack in the Box Funding LLC Series 2019-1A, Class A2II 4.476%, 08/25/2049 (A)	587,563	563,213
MVW Owner Trust Series 2018-1A, Class A 3.450%, 01/21/2036 (A)	159,056	156,406
Taco Bell Funding LLC Series 2016-1A, Class A23 4.970%, 05/25/2046 (A)	1,482,000	1,472,398
TOTAL ASSET BACKED SECURITIES (Cost \$4,189,403)		\$ 4,084,476
COMMON STOCKS – 1.6%		
Communication services – 0.0%		
Vertis Holdings, Inc. (I)(J)	8,371	0
Consumer discretionary – 0.1%		
General Motors Company (J)	18,896	600,137
Financials – 0.7%		
Cadence Bank	17,513	411,205
Credit Agricole SA	48,313	445,396
Credit Suisse Group AG, ADR (B)	63,906	362,347
First Citizens BancShares, Inc., Class A	532	347,811
Societe Generale SA	14,218	314,356
U.S. Bancorp	18,658	858,641
		2,739,756
Industrials – 0.3%		
Delta Air Lines, Inc. (J)	13,416	388,662
The Boeing Company (J)	6,725	919,442
		1,308,104
Real estate – 0.2%		
Americold Realty Trust, Inc.	20,578	618,163
Utilities – 0.3%		
Algonquin Power & Utilities Corp.	25,100	1,098,376
TOTAL COMMON STOCKS (Cost \$9,332,000)		\$ 6,364,536
PREFERRED SECURITIES – 3.2%		
Communication services – 0.4%		
2020 Cash Mandatory Exchangeable Trust, 5.250% (A)	1,080	1,238,328
Paramount Global, 5.750%	9,700	382,956
		1,621,284
Financials – 0.7%		
KKR & Company, Inc., 6.000%	4,950	289,427
Stifel Financial Corp., 4.500%	32,750	598,998
U.S. Bancorp (Greater of 3 month LIBOR + 1.020% or 3.500%), 3.500% (D)	804	618,308
Valley National Bancorp (5.500% to 9-30-22, then 3 month LIBOR + 3.578%)	22,825	531,366
Wells Fargo & Company (5.850% to 9-15-23, then 3 month LIBOR + 3.090%)	27,605	655,343
		2,693,442

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Health care – 0.4%		
Becton, Dickinson and Company, 6.000%	10,850	\$ 536,641
Danaher Corp., 5.000% (B)	805	1,065,184
		1,601,825
Information technology – 0.1%		
Sabre Corp., 6.500%	2,400	192,936
Utilities – 1.6%		
American Electric Power Company, Inc., 6.125%	23,350	1,260,900
NextEra Energy, Inc., 5.279%	58,050	2,882,183
NextEra Energy, Inc., 6.219%	17,400	855,210
The AES Corp., 6.875%	13,600	1,174,088
		6,172,381
TOTAL PREFERRED SECURITIES (Cost \$13,331,465)		\$ 12,281,868
PURCHASED OPTIONS – 0.0%		
Puts – 0.0%		
Over the Counter Option on the USD vs. CAD (Expiration Date: 12-12-22; Strike Price: \$1.24; Counterparty: Canadian Imperial Bank of Commerce) (J)(K)	6,076,000	34,141
TOTAL PURCHASED OPTIONS (Cost \$48,304)		\$ 34,141
SHORT-TERM INVESTMENTS – 4.5%		
Short-term funds – 1.5%		
John Hancock Collateral Trust, 1.4215% (L)(M)	593,144	5,929,303
Repurchase agreement – 3.0%		
Repurchase Agreement with State Street Corp. dated 6-30-22 at 0.240% to be repurchased at \$11,378,076 on 7-1-22, collateralized by \$11,618,300 U.S. Treasury Notes, 3.000% due 6-30-24 (valued at \$11,605,590)	\$ 11,378,000	11,378,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$17,308,025)		\$ 17,307,303
Total Investments (Strategic Income Opportunities Trust) (Cost \$444,371,593) – 101.2%		
		\$ 390,824,722
Other assets and liabilities, net – (1.2%)		
		(4,504,459)
TOTAL NET ASSETS – 100.0%		\$ 386,320,263

Currency Abbreviations

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

Security Abbreviations and Legend

ADR	American Depositary Receipt
-----	-----------------------------

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
EURIBOR	Euro Interbank Offered Rate
ICE	Intercontinental Exchange
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
NIBOR	Norwegian Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
SONIA	Sterling Overnight Interbank Average Rate
(A)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$123,892,148 or 32.1% of the fund's net assets as of 6-30-22.
(B)	All or a portion of this security is on loan as of 6-30-22.
(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.

Strategic Income Opportunities Trust (continued)

(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 6-30-22.
(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	7	Long	Sep 2022	\$915,789	\$903,165	\$(12,624)
German Euro BUND Futures	11	Short	Sep 2022	(1,751,471)	(1,715,054)	36,417
U.S. Treasury Long Bond Futures	117	Short	Sep 2022	(16,359,315)	(16,219,125)	140,190
						\$163,983

[^] 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 1,071,336	USD 749,635	JPM	9/21/2022	—	\$(9,664)
AUD 3,571,119	USD 2,511,496	SSB	9/21/2022	—	(44,925)
BRL 5,193,263	USD 977,484	CITI	9/21/2022	—	(6,984)
BRL 2,798,568	USD 532,705	SSB	9/21/2022	—	(9,718)
CAD 4,779,163	USD 3,762,485	CIBC	9/21/2022	—	(49,108)
CAD 2,163,819	USD 1,710,221	JPM	9/21/2022	—	(28,948)
CAD 3,744,648	USD 2,906,667	MSCS	9/21/2022	\$2,900	—
CAD 4,826,985	USD 3,755,944	SSB	9/21/2022	—	(5,409)
CAD 3,716,551	USD 2,906,667	UBS	9/21/2022	—	(18,932)
COP 4,155,731,244	USD 989,460	CITI	9/21/2022	—	(1,390)
EUR 254,480	USD 270,129	BMO	9/21/2022	—	(1,963)
EUR 3,502,474	USD 3,693,215	CIBC	9/21/2022	—	(2,371)
EUR 4,078,273	USD 4,318,598	CITI	9/21/2022	—	(20,986)
EUR 4,076,655	USD 4,340,441	GSI	9/21/2022	—	(44,534)
EUR 5,769,419	USD 6,119,305	HUS	9/21/2022	—	(39,594)
EUR 2,046,792	USD 2,159,920	JPM	9/21/2022	—	(3,047)
EUR 6,144,988	USD 6,552,781	MSCS	9/21/2022	—	(77,302)
EUR 10,236,518	USD 10,798,459	SSB	9/21/2022	—	(11,399)
EUR 8,021,059	USD 8,432,337	UBS	9/21/2022	20,112	—
GBP 159,314	USD 195,871	SSB	9/21/2022	—	(1,648)
JPY 141,813,042	USD 1,053,002	GSI	9/21/2022	—	(2,086)
JPY 335,105,621	USD 2,506,335	JPM	9/21/2022	—	(23,011)
MXN 11,328,662	USD 537,645	UBS	9/21/2022	17,658	—
NOK 1,459,750	SEK 1,493,175	MSCS	9/21/2022	2,017	—
NZD 1,609,339	AUD 1,454,200	CIBC	9/21/2022	—	(197)
NZD 1,608,636	AUD 1,454,200	CITI	9/21/2022	—	(635)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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	
NZD	1,611,838	AUD	1,454,200	MSCS	9/21/2022	\$1,363	—
NZD	3,668,820	USD	2,308,093	BARC	9/21/2022	—	\$(18,768)
NZD	1,834,410	USD	1,149,488	CIBC	9/21/2022	—	(4,825)
NZD	3,299,148	USD	2,078,923	CITI	9/21/2022	—	(20,271)
NZD	3,668,820	USD	2,330,475	MSCS	9/21/2022	—	(41,150)
SEK	1,504,025	NOK	1,459,750	JPM	9/21/2022	—	(952)
USD	3,892,513	AUD	5,585,866	ANZ	9/21/2022	34,356	—
USD	1,285,431	AUD	1,786,392	CIBC	9/21/2022	51,570	—
USD	2,959,529	AUD	4,278,181	CITI	9/21/2022	4,591	—
USD	647,002	AUD	930,978	GSI	9/21/2022	3,975	—
USD	646,541	AUD	930,978	HUS	9/21/2022	3,515	—
USD	642,341	AUD	893,196	MSCS	9/21/2022	25,411	—
USD	6,295,567	AUD	8,784,252	SSB	9/21/2022	228,285	—
USD	4,811,730	BRL	24,088,965	CITI	9/21/2022	310,063	—
USD	1,368,176	CAD	1,721,870	CITI	9/21/2022	30,295	—
USD	4,873,773	CAD	6,164,615	HUS	9/21/2022	83,909	—
USD	1,453,333	CAD	1,864,001	JPM	9/21/2022	5,017	—
USD	4,610,220	CAD	5,895,239	RBC	9/21/2022	29,659	—
USD	2,906,667	CAD	3,751,632	SCB	9/21/2022	—	(8,326)
USD	510,625	COP	1,983,011,090	CITI	9/21/2022	39,143	—
USD	2,523,812	COP	9,757,546,905	SSB	9/21/2022	203,850	—
USD	5,390,799	EUR	5,104,877	BARC	9/21/2022	11,371	—
USD	8,694,124	EUR	8,173,878	CIBC	9/21/2022	80,637	—
USD	5,443,179	EUR	5,102,753	CITI	9/21/2022	65,989	—
USD	9,620,278	EUR	9,040,373	HUS	9/21/2022	93,693	—
USD	5,445,841	EUR	5,119,088	JPM	9/21/2022	51,438	—
USD	7,413,039	EUR	6,995,327	MSCS	9/21/2022	41,488	—
USD	2,162,181	EUR	2,046,113	RBC	9/21/2022	6,023	—
USD	26,116,648	EUR	24,308,117	SSB	9/21/2022	501,188	—
USD	2,395,213	EUR	2,250,724	UBS	9/21/2022	23,440	—
USD	4,247,432	GBP	3,370,647	JPM	9/21/2022	138,204	—
USD	3,117,697	JPY	413,750,676	JPM	9/21/2022	51,568	—
USD	3,518,029	JPY	463,444,754	MSCS	9/21/2022	83,638	—
USD	4,614,677	MXN	92,300,452	UBS	9/21/2022	90,331	—
USD	1,165,908	NZD	1,830,168	ANZ	9/21/2022	23,893	—
USD	1,378,344	NZD	2,139,644	MSCS	9/21/2022	43,217	—
USD	573,748	NZD	891,518	SSB	9/21/2022	17,445	—
USD	5,001,502	NZD	7,748,572	UBS	9/21/2022	166,432	—
USD	1,945,251	SGD	2,698,174	ANZ	9/21/2022	2,220	—
USD	975,238	SGD	1,355,714	CIBC	9/21/2022	—	(1,049)
USD	1,945,251	SGD	2,697,291	CITI	9/21/2022	2,856	—
USD	1,945,251	SGD	2,700,144	HUS	9/21/2022	801	—
USD	1,950,477	SGD	2,715,537	JPM	9/21/2022	—	(5,058)
USD	1,945,251	SGD	2,703,160	UBS	9/21/2022	—	(1,370)
						\$2,593,561	\$(505,620)

WRITTEN OPTIONS

Foreign currency options

Description	Counterparty (OTC)	Currency	Exercise price	Expiration date	Notional amount*	Premium	Value
Puts							
Euro vs. U.S. Dollar	CITI	EUR	1.04	Sep 2022	6,575,000	\$69,106	\$(71,831)
						\$69,106	\$(71,831)

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

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Strategic Income Opportunities Trust (continued)

Derivatives Currency Abbreviations

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

Derivatives Abbreviations

ANZ	Australia and New Zealand Banking Group Limited
BARC	Barclays Bank PLC
BMO	Bank of Montreal
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.

Total Bond Market Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 68.1%		
U.S. Government – 37.0%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 8,000,000	\$ 5,090,000
2.000%, 11/15/2041 to 08/15/2051	19,000,000	14,833,750
2.250%, 08/15/2049	2,000,000	1,641,016
2.750%, 08/15/2047	3,000,000	2,682,656
2.875%, 05/15/2049	1,500,000	1,398,574
3.000%, 02/15/2047 to 02/15/2049	22,635,000	21,269,421
4.250%, 05/15/2039 to 11/15/2040	4,610,000	5,256,583
4.375%, 05/15/2041	1,830,000	2,095,993
4.625%, 02/15/2040	5,000,000	5,950,000
4.750%, 02/15/2041	2,000,000	2,408,594
U.S. Treasury Notes		
0.125%, 10/31/2022 to 02/28/2023	12,500,000	12,376,026
0.250%, 11/15/2023 to 10/31/2025	31,000,000	29,027,266
0.375%, 09/15/2024 to 07/31/2027	9,000,000	8,215,860
0.500%, 10/31/2027	12,000,000	10,484,063
0.625%, 03/31/2027	6,000,000	5,356,172
0.750%, 03/31/2026	4,000,000	3,673,906
0.875%, 01/31/2024 to 09/30/2026	15,000,000	14,242,969
1.125%, 01/15/2025	20,000,000	19,073,438
1.250%, 08/31/2024	5,000,000	4,816,992
1.375%, 08/31/2026 to 11/15/2031	8,000,000	7,274,883
1.500%, 01/31/2027	30,000,000	28,010,156
1.750%, 12/31/2024 to 01/31/2029	34,000,000	31,583,477
2.125%, 05/31/2026	3,000,000	2,898,281
2.250%, 11/15/2027	20,595,000	19,744,652

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes (continued)		
2.375%, 05/15/2029	\$ 5,000,000	\$ 4,790,039
2.625%, 02/28/2023	3,000,000	2,998,359
2.750%, 04/30/2023	3,500,000	3,496,309
2.875%, 11/30/2023 to 05/15/2028	9,300,000	9,217,355
3.000%, 10/31/2025	2,000,000	1,996,719
		281,903,509
U.S. Government Agency – 31.1%		
Federal Home Loan Bank		
5.500%, 07/15/2036	1,690,000	2,036,779
Federal Home Loan Mortgage Corp.		
1.500%, 12/01/2036 to 03/01/2051	6,831,990	5,838,820
2.000%, 07/01/2035	796,700	748,853
2.112%, (12 month LIBOR + 1.863%), 08/01/2037 (A)	389,519	398,735
2.500%, 04/01/2031 to 08/01/2050	4,273,346	3,909,353
2.600%, (12 month LIBOR + 2.100%), 02/01/2037 (A)	54,612	55,602
2.750%, 06/19/2023	2,000,000	1,995,293
3.000%, 07/01/2032 to 04/01/2051	9,502,935	9,032,076
3.500%, 12/01/2025 to 06/01/2049	6,559,586	6,391,316
4.000%, 02/01/2024 to 09/01/2047	1,208,459	1,214,916
4.500%, 05/01/2024 to 10/01/2050	3,596,764	3,652,167
5.000%, 06/01/2023 to 09/01/2039	174,951	183,786
5.500%, 02/01/2023 to 01/01/2039	286,006	306,205
6.000%, 10/01/2036 to 10/01/2038	139,298	152,366

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan Mortgage Corp. (continued)		
6.250%, 07/15/2032	\$ 450,000	\$ 558,793
6.500%, 08/01/2037 to 08/01/2038	29,913	33,429
6.750%, 09/15/2029	1,200,000	1,473,663
7.000%, 04/01/2029 to 10/01/2038	27,564	30,882
7.500%, 09/01/2030 to 03/01/2032	4,474	4,983
8.000%, 02/01/2030	510	555
Federal National Mortgage Association		
1.500%, 12/01/2036 to 02/01/2051	3,700,407	3,214,968
1.724%, (12 month LIBOR + 1.387%), 01/01/2035 (A)	64,303	64,444
2.000%, 02/01/2035 to 02/01/2052	65,343,256	57,698,399
2.093%, (6 month LIBOR + 1.415%), 07/01/2034 (A)	67,649	68,167
2.125%, 04/24/2026	2,000,000	1,931,402
2.175%, (12 month LIBOR + 1.925%), 10/01/2037 (A)	16,032	16,467
2.500%, 05/01/2028 to 02/01/2052	39,687,395	36,252,848
2.625%, 09/06/2024	1,000,000	990,735
2.812%, (12 month LIBOR + 1.582%), 09/01/2037 (A)	50,494	51,352
3.000%, 01/01/2027 to 03/01/2052	19,692,309	18,717,791
3.042%, (12 month LIBOR + 1.849%), 04/01/2037 (A)	80,422	81,856
3.090%, (1 Year CMT + 2.185%), 05/01/2036 (A)	45,237	47,002
3.500%, 12/01/2025 to 02/01/2052	11,563,641	11,305,675
4.000%, 03/01/2024 to 03/01/2050	9,881,519	9,891,346
4.500%, 08/01/2024 to 09/01/2048	1,832,458	1,880,134
5.000%, 08/01/2023 to 09/01/2048	1,323,094	1,371,868
5.500%, 01/01/2034 to 11/01/2038	316,561	338,428
6.000%, 08/01/2023 to 08/01/2038	227,005	246,303
6.500%, 07/01/2031 to 12/01/2037	86,981	96,586
7.000%, 02/01/2031 to 10/01/2038	37,926	42,639
7.125%, 01/15/2030	209,000	262,790
7.250%, 05/15/2030	1,450,000	1,842,864
7.500%, 09/01/2030 to 08/01/2031	13,931	15,391
8.000%, 08/01/2030 to 09/01/2031	2,642	2,908
8.500%, 09/01/2030	283	314
Government National Mortgage Association		
2.000%, 02/20/2051	12,842,084	11,488,106
2.500%, 08/20/2050 to 02/20/2051	13,011,703	11,994,950
3.000%, 08/15/2043 to 07/20/2051	12,673,018	12,049,311
3.500%, 04/15/2042 to 01/20/2052	10,287,894	10,081,848
4.000%, 11/15/2026 to 04/20/2049	4,380,100	4,399,245
4.500%, 06/15/2023 to 04/20/2050	1,462,485	1,497,765
5.000%, 10/15/2023 to 07/20/2040	484,806	508,240
5.500%, 08/15/2023 to 09/20/2039	204,056	216,706
6.000%, 07/15/2029 to 10/15/2038	157,580	170,035
6.500%, 05/15/2028 to 12/15/2038	116,966	127,572
7.000%, 08/15/2029 to 05/15/2032	19,203	20,617
7.500%, 09/15/2030 to 01/15/2031	5,017	5,470
8.000%, 04/15/2031	6,181	6,819
		237,017,933
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$552,000,757)		\$ 518,921,442
FOREIGN GOVERNMENT OBLIGATIONS – 0.9%		
Brazil – 0.2%		
Federative Republic of Brazil		
4.250%, 01/07/2025	1,612,000	1,599,610

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Canada – 0.2%		
Province of British Columbia		
6.500%, 01/15/2026	\$ 490,000	\$ 536,409
Province of Quebec		
7.125%, 02/09/2024	150,000	158,867
7.500%, 07/15/2023 (B)	410,000	425,693
		1,120,969
Israel – 0.1%		
State of Israel		
5.500%, 09/18/2023	455,000	468,438
Italy – 0.0%		
Republic of Italy		
6.875%, 09/27/2023	300,000	311,233
Japan – 0.1%		
Japan Bank for International Cooperation		
2.500%, 05/23/2024	800,000	788,869
Mexico – 0.1%		
Government of Mexico		
6.050%, 01/11/2040	930,000	913,552
Panama – 0.1%		
Republic of Panama		
6.700%, 01/26/2036	370,000	399,438
Peru – 0.0%		
Republic of Peru		
6.550%, 03/14/2037	250,000	270,700
Turkey – 0.1%		
Republic of Turkey		
6.000%, 01/14/2041	400,000	254,370
6.250%, 09/26/2022 (B)	400,000	398,720
		653,090
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$7,090,109)		\$ 6,525,899
CORPORATE BONDS – 27.9%		
Communication services – 2.4%		
Alphabet, Inc.		
1.100%, 08/15/2030	300,000	246,217
2.050%, 08/15/2050	400,000	268,164
AT&T, Inc.		
2.550%, 12/01/2033	665,000	539,470
3.800%, 12/01/2057	609,000	470,345
4.750%, 05/15/2046	900,000	833,009
4.850%, 07/15/2045	500,000	461,021
5.150%, 03/15/2042	50,000	47,973
6.375%, 03/01/2041	360,000	402,598
7.625%, 04/15/2031	285,000	339,909
Baidu, Inc.		
4.125%, 06/30/2025	250,000	249,617
British Telecommunications PLC		
9.625%, 12/15/2030	190,000	236,440
Charter Communications Operating LLC		
2.800%, 04/01/2031	600,000	480,515
5.050%, 03/30/2029	400,000	384,984
5.375%, 05/01/2047	500,000	425,731
Comcast Corp.		
2.350%, 01/15/2027	455,000	424,131
2.887%, 11/01/2051	256,000	182,879
3.375%, 02/15/2025	600,000	594,889
3.450%, 02/01/2050	500,000	397,720
3.999%, 11/01/2049	500,000	436,001
4.600%, 10/15/2038	400,000	387,845
6.500%, 11/15/2035	52,000	60,688

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Deutsche Telekom International Finance BV	\$ 146,000	\$ 180,007
Discovery Communications LLC	900,000	830,198
4.125%, 05/15/2029	400,000	342,482
5.300%, 05/15/2049		
Fox Corp.	600,000	544,404
3.500%, 04/08/2030		
Grupo Televisa SAB	220,000	239,776
6.625%, 01/15/2040		
Paramount Global	600,000	585,300
4.000%, 01/15/2026		
TCI Communications, Inc.	110,000	124,247
7.125%, 02/15/2028		
Telefonica Emisiones SA	230,000	256,700
7.045%, 06/20/2036		
Telefonica Europe BV	350,000	418,964
8.250%, 09/15/2030		
The Walt Disney Company	400,000	352,036
2.650%, 01/13/2031		
Time Warner Entertainment Company LP	525,000	607,253
8.375%, 07/15/2033		
T-Mobile USA, Inc.	400,000	298,317
3.000%, 02/15/2041	600,000	559,954
3.875%, 04/15/2030	700,000	621,113
4.500%, 04/15/2050		
TWDC Enterprises 18 Corp.	500,000	491,885
3.150%, 09/17/2025	500,000	452,339
4.125%, 06/01/2044		
Verizon Communications, Inc.	400,000	322,366
1.680%, 10/30/2030	500,000	354,805
2.875%, 11/20/2050	500,000	484,260
4.016%, 12/03/2029	458,000	431,216
4.272%, 01/15/2036	1,260,000	1,191,407
4.522%, 09/15/2048		
Vodafone Group PLC	400,000	398,153
4.375%, 05/30/2028	300,000	285,410
5.250%, 05/30/2048		18,242,738
Consumer discretionary – 1.9%		
Amazon.com, Inc.	400,000	342,663
2.100%, 05/12/2031	800,000	563,834
2.500%, 06/03/2050	600,000	561,602
4.050%, 08/22/2047		
American Honda Finance Corp.	600,000	492,021
1.800%, 01/13/2031		
AutoZone, Inc.	1,000,000	981,037
3.250%, 04/15/2025		
Booking Holdings, Inc.	300,000	289,145
3.550%, 03/15/2028		
Brinker International, Inc.	250,000	246,230
3.875%, 05/15/2023 (B)		
Choice Hotels International, Inc.	200,000	177,261
3.700%, 01/15/2031		
D.R. Horton, Inc.	200,000	167,808
1.400%, 10/15/2027		
Expedia Group, Inc.	300,000	250,194
3.250%, 02/15/2030		
Ford Motor Credit Company LLC	280,000	274,805
3.096%, 05/04/2023		
General Motors Company	300,000	260,971
5.400%, 04/01/2048		
General Motors Financial Company, Inc.	300,000	249,156
2.400%, 10/15/2028	350,000	281,313
3.100%, 01/12/2032		

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
General Motors Financial Company, Inc. (continued)	\$ 280,000	\$ 280,954
4.250%, 05/15/2023	650,000	650,726
5.250%, 03/01/2026		
Hyatt Hotels Corp.	250,000	244,592
3.375%, 07/15/2023		
Lennar Corp.	300,000	291,261
4.750%, 11/29/2027		
Lowe's Companies, Inc.	460,000	452,025
3.375%, 09/15/2025		
McDonald's Corp.	1,000,000	993,398
3.300%, 07/01/2025		
NIKE, Inc.	1,000,000	973,833
2.400%, 03/27/2025		
Starbucks Corp.	300,000	281,676
3.550%, 08/15/2029		
Target Corp.	500,000	448,230
3.900%, 11/15/2047		
The Home Depot, Inc.	700,000	634,930
2.700%, 04/15/2030	752,000	746,579
3.350%, 09/15/2025	390,000	366,054
4.250%, 04/01/2046	280,000	321,939
5.875%, 12/16/2036		
The TJX Companies, Inc.	600,000	583,851
3.875%, 04/15/2030	600,000	596,473
4.500%, 04/15/2050 (B)		
Toll Brothers Finance Corp.	200,000	169,662
3.800%, 11/01/2029 (B)		
Toyota Motor Credit Corp.	500,000	435,259
1.150%, 08/13/2027	700,000	574,069
1.900%, 09/12/2031	300,000	283,728
3.050%, 01/11/2028		
Whirlpool Corp.	300,000	273,062
5.150%, 03/01/2043		14,740,341
Consumer staples – 1.8%		
Altria Group, Inc.	400,000	264,777
3.400%, 02/04/2041	500,000	375,151
4.500%, 05/02/2043		
Anheuser-Busch Companies LLC	800,000	786,992
3.650%, 02/01/2026	500,000	469,945
4.900%, 02/01/2046		
Anheuser-Busch InBev Worldwide, Inc.	400,000	359,590
4.500%, 06/01/2050	500,000	508,682
4.750%, 01/23/2029		
BAT Capital Corp.	600,000	475,202
2.726%, 03/25/2031	500,000	466,998
3.215%, 09/06/2026		
Constellation Brands, Inc.	350,000	310,792
4.500%, 05/09/2047		
Costco Wholesale Corp.	500,000	421,749
1.600%, 04/20/2030		
Diageo Capital PLC	300,000	255,923
2.000%, 04/29/2030		
General Mills, Inc.	600,000	531,484
2.875%, 04/15/2030		
Kellogg Company	400,000	389,096
3.250%, 04/01/2026 (B)		
Keurig Dr. Pepper, Inc.	500,000	501,191
4.597%, 05/25/2028 (B)		
Kimberly-Clark Corp.	300,000	240,142
3.200%, 07/30/2046		
Kraft Heinz Foods Company	458,000	431,480
3.000%, 06/01/2026	40,000	43,953
6.875%, 01/26/2039		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Mondelez International, Inc. 4.625%, 05/07/2048	\$ 300,000	\$ 277,888
PepsiCo, Inc. 2.850%, 02/24/2026	495,000	485,991
4.000%, 03/05/2042	270,000	253,146
5.500%, 01/15/2040	280,000	316,501
Philip Morris International, Inc. 3.600%, 11/15/2023	250,000	250,725
6.375%, 05/16/2038	300,000	313,542
SC Johnson & Son, Inc. 4.000%, 05/15/2043 (C)	250,000	219,070
Sysco Corp. 6.600%, 04/01/2050	1,000,000	1,153,170
The Coca-Cola Company 2.125%, 09/06/2029	400,000	357,062
2.500%, 06/01/2040	400,000	312,951
The Estee Lauder Companies, Inc. 2.600%, 04/15/2030	600,000	538,631
The Kroger Company 3.500%, 02/01/2026	500,000	494,497
The Procter & Gamble Company 3.600%, 03/25/2050	600,000	550,276
Tyson Foods, Inc. 4.350%, 03/01/2029	400,000	395,516
Walmart, Inc. 3.250%, 07/08/2029	600,000	577,995
4.050%, 06/29/2048	500,000	488,700
		13,818,808
Energy – 2.1%		
Anadarko Petroleum Corp. 6.450%, 09/15/2036	280,000	257,104
Baker Hughes Holdings LLC 3.337%, 12/15/2027	500,000	472,085
4.486%, 05/01/2030 (B)	500,000	492,817
Boardwalk Pipelines LP 4.950%, 12/15/2024	400,000	402,742
BP Capital Markets America, Inc. 3.796%, 09/21/2025	800,000	802,661
Canadian Natural Resources, Ltd. 6.250%, 03/15/2038	290,000	306,626
Cenovus Energy, Inc. 4.250%, 04/15/2027	300,000	294,043
Chevron Corp. 2.954%, 05/16/2026	800,000	779,629
Devon Energy Corp. 5.000%, 06/15/2045	885,000	820,694
7.875%, 09/30/2031	170,000	199,060
Enbridge, Inc. 3.700%, 07/15/2027	400,000	383,077
4.500%, 06/10/2044	400,000	350,275
Energy Transfer LP 3.450%, 01/15/2023	170,000	169,485
5.500%, 06/01/2027	600,000	609,006
6.125%, 12/15/2045	350,000	333,822
6.500%, 02/01/2042	50,000	49,833
Enterprise Products Operating LLC 3.200%, 02/15/2052	700,000	502,670
4.850%, 08/15/2042	280,000	256,748
6.875%, 03/01/2033	130,000	148,207
Exxon Mobil Corp. 2.995%, 08/16/2039	400,000	326,557
3.482%, 03/19/2030	700,000	671,339
Kinder Morgan Energy Partners LP 4.300%, 05/01/2024	700,000	701,414
6.375%, 03/01/2041	60,000	60,006

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Kinder Morgan Energy Partners LP (continued) 6.500%, 09/01/2039	\$ 180,000	\$ 185,486
Kinder Morgan, Inc. 5.550%, 06/01/2045	375,000	353,173
MPLX LP 4.800%, 02/15/2029	400,000	393,329
ONEOK Partners LP 6.650%, 10/01/2036	268,000	272,909
Ovintiv, Inc. 6.500%, 08/15/2034	270,000	281,808
Petroleos Mexicanos 6.625%, 06/15/2035	230,000	156,839
6.700%, 02/16/2032	173,000	131,913
Phillips 66 Company 3.750%, 03/01/2028 (C)	200,000	190,110
Plains All American Pipeline LP 4.900%, 02/15/2045	500,000	402,105
Shell International Finance BV 4.375%, 05/11/2045	1,000,000	929,725
6.375%, 12/15/2038	90,000	104,471
Suncor Energy, Inc. 5.950%, 05/15/2035	235,000	243,796
The Williams Companies, Inc. 3.500%, 11/15/2030	400,000	360,508
5.100%, 09/15/2045	400,000	372,591
Tosco Corp. 8.125%, 02/15/2030	383,000	465,211
TotalEnergies Capital International SA 3.700%, 01/15/2024	500,000	501,466
TransCanada PipeLines, Ltd. 5.850%, 03/15/2036	405,000	422,161
Valero Energy Corp. 2.850%, 04/15/2025	600,000	579,846
7.500%, 04/15/2032	270,000	310,533
		16,047,880
Financials – 7.5%		
American Express Company 2.650%, 12/02/2022	345,000	344,833
American International Group, Inc. 4.125%, 02/15/2024	550,000	553,427
6.250%, 05/01/2036	430,000	482,822
Arch Capital Finance LLC 4.011%, 12/15/2026	400,000	392,285
Ares Capital Corp. 3.875%, 01/15/2026	1,000,000	918,340
Banco Santander SA (1.722% to 9-14-26, then 1 Year CMT + 0.900%) 09/14/2027	700,000	607,584
Bank of America Corp. 3.300%, 01/11/2023	800,000	801,279
4.450%, 03/03/2026	700,000	696,615
7.750%, 05/14/2038	480,000	591,416
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	386,000	384,735
Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	1,700,000	1,646,436
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,312,000	1,221,811
Bank of America Corp. (3.970% to 3-5-28, then 3 month LIBOR + 1.070%) 03/05/2029	500,000	476,772

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (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. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%) 01/20/2048	\$ 500,000	\$ 457,068
Barclays PLC 4.375%, 01/12/2026	500,000	494,852
Berkshire Hathaway, Inc. 3.125%, 03/15/2026 (B)	500,000	489,953
Capital One Bank USA NA 3.375%, 02/15/2023	360,000	359,702
Capital One Financial Corp. 3.200%, 02/05/2025	2,000,000	1,944,622
3.300%, 10/30/2024	1,500,000	1,463,358
Chubb INA Holdings, Inc. 3.350%, 05/03/2026	300,000	293,388
Citigroup, Inc. 3.300%, 04/27/2025	600,000	588,512
4.450%, 09/29/2027	500,000	489,666
5.500%, 09/13/2025	400,000	410,947
Citigroup, Inc. (1.462% to 6-9-26, then SOFR + 0.770%) 06/09/2027	600,000	530,455
Citigroup, Inc. (2.666% to 1-29-30, then SOFR + 1.146%) 01/29/2031	1,000,000	849,095
Citigroup, Inc. (4.281% to 4-24-47, then 3 month LIBOR + 1.839%) 04/24/2048	500,000	443,468
Credit Suisse Group AG 3.750%, 03/26/2025	250,000	242,160
4.550%, 04/17/2026	800,000	781,890
Deutsche Bank AG (2.129% to 11-24-25, then SOFR + 1.870%) 11/24/2026	600,000	532,723
European Investment Bank 2.500%, 10/15/2024 (B)	1,500,000	1,481,730
3.250%, 01/29/2024	600,000	601,920
Fifth Third Bank NA 2.250%, 02/01/2027	500,000	460,732
Five Corners Funding Trust II 2.850%, 05/15/2030 (C)	800,000	695,951
GE Capital International Funding Company 4.418%, 11/15/2035	822,000	767,744
HSBC Holdings PLC 6.500%, 09/15/2037	660,000	704,180
HSBC Holdings PLC (2.848% to 6-4-30, then SOFR + 2.387%) 06/04/2031	1,000,000	844,934
Inter-American Development Bank 1.750%, 09/14/2022	600,000	599,576
2.000%, 07/23/2026	1,000,000	955,980
7.000%, 06/15/2025	325,000	358,984
Intercontinental Exchange, Inc. 3.100%, 09/15/2027 (B)	400,000	378,712
International Bank for Reconstruction & Development 0.750%, 11/24/2027	1,000,000	879,446
JPMorgan Chase & Co. 3.300%, 04/01/2026	700,000	679,615
3.375%, 05/01/2023	500,000	500,014
3.875%, 02/01/2024	1,300,000	1,308,047
6.400%, 05/15/2038	125,000	141,495
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	1,000,000	851,719
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.945%) 01/23/2029	500,000	467,676

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
JPMorgan Chase & Co. (3.540% to 5-1-27, then 3 month LIBOR + 1.380%) 05/01/2028	\$ 700,000	\$ 663,672
JPMorgan Chase & Co. (4.452% to 12-5-28, then 3 month LIBOR + 1.330%) 12/05/2029	600,000	584,344
KfW 2.125%, 01/17/2023	600,000	598,195
2.625%, 02/28/2024	800,000	794,571
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (C)	500,000	359,382
Lincoln National Corp. 3.625%, 12/12/2026	500,000	484,182
7.000%, 06/15/2040	150,000	171,242
Lloyds Banking Group PLC (2.438% to 2-5-25, then 1 Year CMT + 1.000%) 02/05/2026	900,000	851,625
MetLife, Inc. 4.600%, 05/13/2046	500,000	484,302
Mitsubishi UFJ Financial Group, Inc. (1.538% to 7-20-26, then 1 Year CMT + 0.750%) 07/20/2027	1,600,000	1,413,129
Mizuho Financial Group, Inc. (1.234% to 5-22-26, then 1 Year CMT + 0.670%) 05/22/2027	800,000	698,831
Morgan Stanley 3.700%, 10/23/2024	950,000	947,959
4.100%, 05/22/2023	750,000	752,925
Morgan Stanley (1.512% to 7-20-26, then SOFR + 0.858%) 07/20/2027	500,000	438,515
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	918,544
Morgan Stanley (3.772% to 1-24-28, then 3 month LIBOR + 1.140%) 01/24/2029	550,000	521,865
Raymond James Financial, Inc. 4.950%, 07/15/2046	600,000	584,716
Royal Bank of Canada 2.300%, 11/03/2031	800,000	666,930
State Street Corp. 3.100%, 05/15/2023	250,000	249,337
Stifel Financial Corp. 4.250%, 07/18/2024	500,000	500,329
Sumitomo Mitsui Financial Group, Inc. 3.364%, 07/12/2027	900,000	854,805
3.784%, 03/09/2026	550,000	539,147
The Allstate Corp. 3.280%, 12/15/2026	500,000	489,871
The Bank of New York Mellon Corp. 3.250%, 05/16/2027	800,000	776,307
The Charles Schwab Corp. 3.200%, 01/25/2028	300,000	286,760
The Goldman Sachs Group, Inc. 2.600%, 02/07/2030	700,000	597,042
3.500%, 01/23/2025	750,000	738,868
3.625%, 01/22/2023	500,000	501,559
3.750%, 02/25/2026	500,000	490,124
The Hartford Financial Services Group, Inc. 5.950%, 10/15/2036	170,000	185,315
The PNC Financial Services Group, Inc. 3.450%, 04/23/2029	1,000,000	933,125
The Toronto-Dominion Bank 2.000%, 09/10/2031	800,000	649,674

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The Travelers Companies, Inc. 4.050%, 03/07/2048	\$ 300,000	\$ 270,284
Travelers Property Casualty Corp. 7.750%, 04/15/2026	50,000	56,922
Truist Financial Corp. 1.125%, 08/03/2027	700,000	598,922
2.850%, 10/26/2024	700,000	686,183
Wells Fargo & Company 3.000%, 10/23/2026	1,000,000	943,548
Wells Fargo & Company (2.572% to 2-11-30, then SOFR + 1.262%) 02/11/2031	2,000,000	1,719,254
Westpac Banking Corp. 1.150%, 06/03/2026	800,000	717,183
		56,888,157
Health care – 3.1%		
Abbott Laboratories		
2.950%, 03/15/2025	300,000	295,808
3.750%, 11/30/2026	283,000	284,470
AbbVie, Inc.		
2.900%, 11/06/2022	500,000	499,941
3.200%, 05/14/2026 (B)	716,000	689,708
3.200%, 11/21/2029	1,000,000	919,941
4.400%, 11/06/2042	260,000	236,288
Aetna, Inc.		
3.500%, 11/15/2024	200,000	197,594
Allergan Funding SCS		
4.750%, 03/15/2045	321,000	271,566
Amgen, Inc.		
4.400%, 05/01/2045	260,000	234,465
4.663%, 06/15/2051	659,000	616,297
AstraZeneca PLC		
0.700%, 04/08/2026	500,000	444,831
Baxalta, Inc.		
4.000%, 06/23/2025	500,000	497,097
Bayer US Finance II LLC		
2.850%, 04/15/2025 (C)	300,000	287,439
Becton, Dickinson and Company		
4.685%, 12/15/2044	400,000	369,557
Biogen, Inc.		
3.250%, 02/15/2051	561,000	392,713
Boston Scientific Corp.		
2.650%, 06/01/2030	500,000	436,282
Bristol-Myers Squibb Company		
3.250%, 08/01/2042	500,000	411,978
4.550%, 02/20/2048	300,000	293,471
Cardinal Health, Inc.		
3.750%, 09/15/2025	500,000	494,029
Cigna Corp.		
4.375%, 10/15/2028	500,000	496,141
CVS Health Corp.		
3.875%, 07/20/2025	650,000	645,909
4.300%, 03/25/2028	389,000	384,884
5.050%, 03/25/2048	500,000	478,624
CVS Pass-Through Trust		
8.353%, 07/10/2031 (C)	62,299	71,248
DH Europe Finance II Sarl		
3.250%, 11/15/2039	300,000	248,865
Dignity Health		
4.500%, 11/01/2042	300,000	275,644
Elevance Health, Inc.		
4.101%, 03/01/2028	350,000	346,369
4.650%, 08/15/2044	150,000	142,488
Eli Lilly & Company		
2.250%, 05/15/2050	500,000	353,397

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Evernorth Health, Inc. 6.125%, 11/15/2041	\$ 330,000	\$ 356,491
Gilead Sciences, Inc. 3.650%, 03/01/2026	600,000	589,231
GlaxoSmithKline Capital, Inc. 3.625%, 05/15/2025	500,000	500,557
6.375%, 05/15/2038	210,000	250,770
HCA, Inc.		
4.500%, 02/15/2027	500,000	480,701
5.500%, 06/15/2047	400,000	356,813
Humana, Inc.		
3.850%, 10/01/2024	350,000	349,510
Johnson & Johnson		
2.100%, 09/01/2040	500,000	365,376
5.850%, 07/15/2038	285,000	329,505
Laboratory Corp. of America Holdings		
2.950%, 12/01/2029	500,000	440,075
Medtronic, Inc.		
4.375%, 03/15/2035	500,000	498,575
Merck & Company, Inc.		
2.750%, 02/10/2025	850,000	839,842
Novartis Capital Corp.		
3.000%, 11/20/2025	500,000	493,868
Pfizer, Inc.		
2.750%, 06/03/2026	713,000	691,294
4.400%, 05/15/2044	264,000	258,723
Quest Diagnostics, Inc.		
4.200%, 06/30/2029	500,000	486,033
4.700%, 03/30/2045	500,000	453,867
Regeneron Pharmaceuticals, Inc.		
2.800%, 09/15/2050	1,000,000	678,667
Stryker Corp.		
4.625%, 03/15/2046	350,000	330,765
Thermo Fisher Scientific, Inc.		
2.000%, 10/15/2031	400,000	335,355
UnitedHealth Group, Inc.		
2.300%, 05/15/2031	500,000	433,035
2.900%, 05/15/2050	400,000	299,570
4.375%, 03/15/2042	50,000	47,531
4.450%, 12/15/2048	300,000	287,921
5.800%, 03/15/2036	300,000	336,013
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	500,000	471,046
Viatis, Inc.		
2.700%, 06/22/2030	500,000	401,281
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	480,035
Zoetis, Inc.		
2.000%, 05/15/2030	500,000	418,593
		23,578,087
Industrials – 2.6%		
3M Company		
3.000%, 08/07/2025 (B)	330,000	324,804
AerCap Ireland Capital DAC		
3.300%, 01/30/2032	500,000	400,246
4.450%, 04/03/2026	400,000	381,969
Air Lease Corp.		
3.125%, 12/01/2030	600,000	490,397
3.625%, 12/01/2027	400,000	356,872
American Airlines 2016-2 Class AA Pass Through Trust		
3.200%, 06/15/2028	222,600	203,462
Burlington Northern Santa Fe LLC		
4.400%, 03/15/2042	50,000	47,335

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Canadian Pacific Railway Company 4.450%, 03/15/2023	\$ 300,000	\$ 301,228
Carrier Global Corp. 3.577%, 04/05/2050	500,000	378,410
Caterpillar, Inc. 3.250%, 04/09/2050	400,000	331,001
3.400%, 05/15/2024	500,000	501,732
CSX Corp. 3.350%, 11/01/2025	420,000	412,661
3.800%, 04/15/2050	1,000,000	843,309
Deere & Company 3.100%, 04/15/2030	500,000	466,955
Delta Air Lines 2019-1 Class AA Pass Through Trust 3.204%, 04/25/2024	200,000	193,321
Equifax, Inc. 3.100%, 05/15/2030	1,200,000	1,054,025
FedEx Corp. 3.875%, 08/01/2042	420,000	357,035
4.400%, 01/15/2047	350,000	306,443
General Dynamics Corp. 3.625%, 04/01/2030	500,000	484,702
General Electric Company 4.500%, 03/11/2044	500,000	434,719
6.750%, 03/15/2032	66,000	73,836
6.875%, 01/10/2039	168,000	189,234
Honeywell International, Inc. 1.950%, 06/01/2030	500,000	429,323
John Deere Capital Corp. 2.050%, 01/09/2025	500,000	484,061
Johnson Controls, Inc. 5.700%, 03/01/2041	150,000	144,697
Kansas City Southern 2.875%, 11/15/2029	500,000	445,629
L3Harris Technologies, Inc. 2.900%, 12/15/2029	300,000	265,887
Lockheed Martin Corp. 3.800%, 03/01/2045	400,000	353,296
Norfolk Southern Corp. 4.837%, 10/01/2041	240,000	234,646
Northrop Grumman Corp. 3.250%, 01/15/2028	300,000	285,157
4.400%, 05/01/2030	200,000	199,710
Precision Castparts Corp. 3.250%, 06/15/2025	500,000	498,123
Raytheon Technologies Corp. 4.625%, 11/16/2048	500,000	488,045
6.125%, 07/15/2038	225,000	251,382
Republic Services, Inc. 2.375%, 03/15/2033	400,000	326,865
Roper Technologies, Inc. 4.200%, 09/15/2028	500,000	490,274
Southwest Airlines Company 5.250%, 05/04/2025	1,200,000	1,222,604
Stanley Black & Decker, Inc. 2.750%, 11/15/2050	300,000	205,747
The Boeing Company 2.600%, 10/30/2025	438,000	404,064
2.950%, 02/01/2030	400,000	332,842
3.750%, 02/01/2050	400,000	282,254
5.805%, 05/01/2050	600,000	551,083
8.750%, 09/15/2031	90,000	107,447
Thomson Reuters Corp. 4.500%, 05/23/2043	250,000	218,398

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Trane Technologies Global Holding Company, Ltd. 4.300%, 02/21/2048	\$ 600,000	\$ 518,311
Union Pacific Corp. 3.250%, 08/15/2025	500,000	493,899
3.799%, 10/01/2051 to 04/06/2071	1,113,000	908,589
United Airlines 2016-2 Class AA Pass Through Trust 2.875%, 10/07/2028	228,636	208,489
United Parcel Service, Inc. 3.400%, 03/15/2029	400,000	385,398
Verisk Analytics, Inc. 4.125%, 03/15/2029	600,000	578,123
Waste Management, Inc. 2.500%, 11/15/2050	300,000	201,775
		20,049,814
Information technology – 2.8%		
Apple, Inc. 1.650%, 05/11/2030	900,000	762,793
2.400%, 05/03/2023	800,000	795,373
2.450%, 08/04/2026	1,060,000	1,013,929
3.250%, 02/23/2026	500,000	496,380
Applied Materials, Inc. 3.900%, 10/01/2025	470,000	472,934
5.100%, 10/01/2035	470,000	493,783
Automatic Data Processing, Inc. 3.375%, 09/15/2025	752,000	751,996
Broadcom, Inc. 2.600%, 02/15/2033 (C)	1,000,000	768,908
3.137%, 11/15/2035 (C)	600,000	455,629
4.300%, 11/15/2032	700,000	635,768
Cisco Systems, Inc. 5.900%, 02/15/2039	80,000	91,080
Dell International LLC 5.300%, 10/01/2029	600,000	591,498
Eaton Corp. 3.103%, 09/15/2027	500,000	477,229
Fiserv, Inc. 2.250%, 06/01/2027	600,000	536,629
Global Payments, Inc. 4.450%, 06/01/2028	400,000	384,911
Hewlett Packard Enterprise Company 6.200%, 10/15/2035	400,000	423,322
IBM Corp. 3.450%, 02/19/2026	1,115,000	1,099,717
4.000%, 06/20/2042	210,000	181,883
5.600%, 11/30/2039	21,000	22,204
Intel Corp. 2.000%, 08/12/2031 (B)	500,000	418,208
2.700%, 12/15/2022	690,000	689,726
Mastercard, Inc. 2.000%, 11/18/2031	350,000	294,972
2.950%, 11/21/2026 (B)	300,000	292,751
Microsoft Corp. 2.525%, 06/01/2050	1,538,000	1,132,777
3.125%, 11/03/2025	438,000	437,655
NVIDIA Corp. 2.000%, 06/15/2031	400,000	339,613
NXP BV 3.400%, 05/01/2030	520,000	458,706
Oracle Corp. 2.400%, 09/15/2023	435,000	428,182
2.650%, 07/15/2026	310,000	285,714
2.875%, 03/25/2031	400,000	329,565
2.950%, 05/15/2025	550,000	526,460

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Oracle Corp. (continued)		
4.000%, 11/15/2047	\$ 400,000	\$ 296,615
4.125%, 05/15/2045	500,000	380,277
PayPal Holdings, Inc.		
2.300%, 06/01/2030	600,000	515,078
2.850%, 10/01/2029	1,000,000	904,844
QUALCOMM, Inc.		
1.650%, 05/20/2032	566,000	457,121
salesforce.com, Inc.		
2.700%, 07/15/2041	400,000	309,198
Texas Instruments, Inc.		
3.875%, 03/15/2039	200,000	188,367
Visa, Inc.		
2.050%, 04/15/2030	600,000	526,331
3.150%, 12/14/2025	463,000	455,780
4.300%, 12/14/2045	463,000	457,363
VMware, Inc.		
1.800%, 08/15/2028	400,000	332,184
Xerox Corp.		
6.750%, 12/15/2039	60,000	50,833
		20,964,286
Materials – 0.9%		
Air Products and Chemicals, Inc.		
1.850%, 05/15/2027	500,000	454,992
Avery Dennison Corp.		
2.650%, 04/30/2030	400,000	334,213
DuPont de Nemours, Inc.		
5.319%, 11/15/2038	400,000	395,949
Eastman Chemical Company		
4.650%, 10/15/2044	500,000	430,881
Freeport-McMoRan, Inc.		
3.875%, 03/15/2023	500,000	497,839
Glencore Funding LLC		
2.625%, 09/23/2031 (C)	500,000	402,907
Huntsman International LLC		
4.500%, 05/01/2029	500,000	471,471
International Paper Company		
5.000%, 09/15/2035	500,000	510,132
LYB International Finance II BV		
3.500%, 03/02/2027	400,000	381,712
Martin Marietta Materials, Inc.		
2.400%, 07/15/2031	300,000	245,143
Newmont Corp.		
4.875%, 03/15/2042	270,000	257,534
Potash Corp. of Saskatchewan, Inc.		
5.625%, 12/01/2040	150,000	149,928
Rio Tinto Alcan, Inc.		
6.125%, 12/15/2033	100,000	113,477
Rio Tinto Finance USA PLC		
4.750%, 03/22/2042	270,000	268,487
Rio Tinto Finance USA, Ltd.		
5.200%, 11/02/2040	250,000	260,364
Teck Resources, Ltd.		
6.250%, 07/15/2041	270,000	280,841
The Dow Chemical Company		
4.375%, 11/15/2042	590,000	519,701
9.400%, 05/15/2039	130,000	185,727
The Sherwin-Williams Company		
3.450%, 06/01/2027	300,000	285,923
Vale Overseas, Ltd.		
6.875%, 11/10/2039	350,000	372,229
Vulcan Materials Company		
3.500%, 06/01/2030	300,000	271,991
		7,091,441

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate – 1.0%		
Alexandria Real Estate Equities, Inc.		
1.875%, 02/01/2033	\$ 400,000	\$ 300,760
American Campus Communities Operating Partnership LP		
3.625%, 11/15/2027	200,000	196,241
American Tower Corp.		
5.000%, 02/15/2024	500,000	505,851
AvalonBay Communities, Inc.		
2.050%, 01/15/2032 (B)	400,000	330,117
Boston Properties LP		
2.550%, 04/01/2032	500,000	397,922
Crown Castle International Corp.		
2.500%, 07/15/2031	300,000	245,488
3.700%, 06/15/2026	400,000	385,886
CubeSmart LP		
4.000%, 11/15/2025	200,000	197,772
Digital Realty Trust LP		
4.450%, 07/15/2028 (B)	200,000	194,108
Duke Realty LP		
3.250%, 06/30/2026	200,000	192,611
Equinix, Inc.		
2.150%, 07/15/2030	400,000	323,598
Essex Portfolio LP		
3.000%, 01/15/2030	400,000	353,487
Extra Space Storage LP		
2.350%, 03/15/2032	500,000	396,343
GLP Capital LP		
5.300%, 01/15/2029	600,000	573,067
Healthpeak Properties, Inc.		
3.500%, 07/15/2029	400,000	368,710
Mid-America Apartments LP		
3.950%, 03/15/2029	800,000	763,893
Service Properties Trust		
4.500%, 03/15/2025	200,000	157,983
Simon Property Group LP		
3.375%, 06/15/2027	500,000	474,619
3.500%, 09/01/2025	441,500	430,151
SL Green Operating Partnership LP		
3.250%, 10/15/2022	500,000	498,745
Welltower, Inc.		
2.750%, 01/15/2031	500,000	421,722
		7,709,074
Utilities – 1.8%		
AEP Transmission Company LLC		
3.750%, 12/01/2047	400,000	339,829
Ameren Corp.		
3.500%, 01/15/2031	1,000,000	916,010
American Water Capital Corp.		
4.300%, 09/01/2045	350,000	312,047
Arizona Public Service Company		
3.350%, 05/15/2050	500,000	367,042
Berkshire Hathaway Energy Company		
4.500%, 02/01/2045	500,000	462,927
6.125%, 04/01/2036	436,000	481,611
Consolidated Edison Company of New York, Inc.		
3.950%, 04/01/2050	700,000	607,584
Constellation Energy Generation LLC		
6.250%, 10/01/2039	160,000	163,570
Dominion Energy, Inc.		
3.375%, 04/01/2030	600,000	548,483
3.900%, 10/01/2025	242,000	240,625
Duke Energy Carolinas LLC		
6.000%, 01/15/2038	200,000	222,325

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Duke Energy Corp. 3.750%, 04/15/2024	\$ 500,000	\$ 499,473
4.800%, 12/15/2045	500,000	456,394
Entergy Texas, Inc. 1.750%, 03/15/2031	700,000	566,075
Essential Utilities, Inc. 4.276%, 05/01/2049	500,000	437,883
Eversource Energy 4.250%, 04/01/2029	500,000	487,184
Exelon Corp. 3.400%, 04/15/2026	542,000	525,900
Florida Power & Light Company 5.650%, 02/01/2037	290,000	317,253
Georgia Power Company 5.950%, 02/01/2039 (B)	335,000	351,253
Indiana Michigan Power Company 6.050%, 03/15/2037	187,000	204,445
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	700,000	587,814
NiSource, Inc. 3.950%, 03/30/2048	400,000	331,809
Oncor Electric Delivery Company LLC 7.500%, 09/01/2038	188,000	242,471
Pacific Gas & Electric Company 2.500%, 02/01/2031	600,000	458,959
3.450%, 07/01/2025	30,000	28,211
3.750%, 07/01/2028	30,000	26,483
4.550%, 07/01/2030	227,000	201,697
4.950%, 07/01/2050	227,000	181,126
PacifiCorp 6.000%, 01/15/2039	335,000	367,527
Public Service Company of Colorado 3.600%, 09/15/2042	500,000	425,557
Public Service Electric & Gas Company 3.000%, 05/15/2025 (B)	250,000	244,924
San Diego Gas & Electric Company 6.125%, 09/15/2037	202,000	218,685
Southern California Edison Company 2.250%, 06/01/2030	700,000	587,675
5.350%, 07/15/2035	130,000	129,467
The Southern Company 3.250%, 07/01/2026	572,000	547,358
Virginia Electric & Power Company 3.450%, 09/01/2022	50,000	50,012
8.875%, 11/15/2038	190,000	269,405
Xcel Energy, Inc. 3.300%, 06/01/2025	400,000	392,591
		13,799,684
TOTAL CORPORATE BONDS (Cost \$234,980,063)		\$ 212,930,310
MUNICIPAL BONDS – 0.5%		
Bay Area Toll Authority (California) 6.907%, 10/01/2050	50,000	68,832
Illinois State Toll Highway Authority 6.184%, 01/01/2034	150,000	172,852
Maryland State Transportation Authority 5.888%, 07/01/2043	60,000	68,925
Metropolitan Washington Airports Authority 7.462%, 10/01/2046	40,000	52,343
New Jersey Turnpike Authority 7.102%, 01/01/2041	90,000	116,159
New York State Dormitory Authority 5.628%, 03/15/2039	340,000	376,036

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
New York State Urban Development Corp. 5.770%, 03/15/2039	\$ 300,000	\$ 324,918
State of California, GO 7.300%, 10/01/2039	400,000	517,443
7.500%, 04/01/2034	80,000	102,679
State of Illinois, GO 5.100%, 06/01/2033	115,000	115,700
7.350%, 07/01/2035	280,000	305,423
State of Texas, GO 5.517%, 04/01/2039	260,000	294,378
State of Utah, GO 3.539%, 07/01/2025	390,000	392,467
4.554%, 07/01/2024	150,000	152,121
State of Washington, GO 5.481%, 08/01/2039	260,000	286,982
Texas Transportation Commission State Highway Fund 5.178%, 04/01/2030	310,000	330,941
University of California 5.770%, 05/15/2043	320,000	365,237
TOTAL MUNICIPAL BONDS (Cost \$3,687,095)		\$ 4,043,436
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	142,668
BANK		
Series 2017-BNK6, Class A4 3.254%, 07/15/2060	2,000,000	1,930,707
BMO Mortgage Trust		
Series 2022-C1, Class A5 3.374%, 02/15/2055 (D)	2,000,000	1,831,268
CD Mortgage Trust		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	1,090,000	1,061,121
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2012-CR3, Class A3, 2.822%, 10/15/2045	258,890	258,556
Series 2012-CR5, Class A4, 2.771%, 12/10/2045	171,606	171,217
Series 2013-CR8, Class AM, 3.920%, 06/10/2046 (C)(D)	630,000	627,159
Series 2014-CR14, Class A3, 3.955%, 02/10/2047	1,000,000	994,103
Series 2014-CR21, Class A3, 3.528%, 12/10/2047	639,549	629,847
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	980,625
GS Mortgage Securities Trust		
Series 2016-GS4, Class A3, 3.178%, 11/10/2049	2,846,635	2,711,244
Series 2017-GS5, Class A3, 3.409%, 03/10/2050	3,000,000	2,892,032
JPMBB Commercial Mortgage Securities Trust		
Series 2013-C14, Class A4 4.133%, 08/15/2046 (D)	301,517	300,925
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2013-C16, Class A4 4.166%, 12/15/2046	500,000	497,674

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Morgan Stanley Bank of America Merrill Lynch Trust Series 2013-C7, Class A4 2.918%, 02/15/2046	\$ 240,000	\$ 238,645
Wells Fargo Commercial Mortgage Trust Series 2015-C29, Class AS 4.013%, 06/15/2048 (D)	500,000	488,833
		15,756,624
U.S. Government Agency – 0.3%		
Federal Home Loan Mortgage Corp. Series K041, Class A2, 3.171%, 10/25/2024	700,000	696,120
Series K047, Class A2, 3.329%, 05/25/2025 (D)	700,000	697,430
Series K050, Class A2, 3.334%, 08/25/2025 (D)	700,000	698,849
		2,092,399
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$19,211,385)		\$ 17,849,023
ASSET BACKED SECURITIES – 0.2%		
SMB Private Education Loan Trust Series 2021-E, Class A1A 1.680%, 02/15/2051 (C)	1,651,969	1,538,264
TOTAL ASSET BACKED SECURITIES (Cost \$1,651,902)		\$ 1,538,264
COMMON STOCKS – 0.0%		
Energy – 0.0%		
Noble Corp. (E)	38	948
TOTAL COMMON STOCKS (Cost \$494)		\$ 948
WARRANTS – 0.0%		
Noble Corp. (Expiration Date: 2-5-28; Strike Price: \$23.13) (E)	154	1,694
TOTAL WARRANTS (Cost \$279)		\$ 1,694
SHORT-TERM INVESTMENTS – 0.6%		
Short-term funds – 0.6%		
John Hancock Collateral Trust, 1.4215% (F)(G)	411,524	4,113,763
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.7415% (F)	720,104	720,104
TOTAL SHORT-TERM INVESTMENTS (Cost \$4,834,235)		\$ 4,833,867
Total Investments (Total Bond Market Trust) (Cost \$823,456,319) – 100.6%		\$ 766,644,883
Other assets and liabilities, net – (0.6%)		(4,512,637)
TOTAL NET ASSETS – 100.0%		\$ 762,132,246

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
GO	General Obligation
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(B)	All or a portion of this security is on loan as of 6-30-22.
(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.

Total Bond Market Trust (continued)

- (D) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
- (E) Non-income producing security.
- (F) The rate shown is the annualized seven-day yield as of 6-30-22.
- (G) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Ultra Short Term Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 0.7%		
U.S. Government Agency – 0.7%		
Federal Home Loan Mortgage Corp. 1.697%, (12 month LIBOR + 1.447%), 06/01/2036 (A)	\$ 15,501	\$ 15,874
1.815%, (6 month LIBOR + 1.565%), 12/01/2036 (A)	21,344	21,614
2.141%, (12 month LIBOR + 1.641%), 09/01/2043 (A)	248,689	253,781
2.172%, (1 Year CMT + 2.086%), 12/01/2035 (A)	96,546	98,928
2.180%, (6 month LIBOR + 1.515%), 12/01/2035 (A)	34,243	34,689
2.284%, (12 month LIBOR + 1.605%), 02/01/2036 (A)	43,395	44,359
2.295%, (1 Year CMT + 2.295%), 08/01/2035 (A)	60,481	62,804
2.471%, (12 month LIBOR + 1.596%), 05/01/2037 (A)	58,692	59,787
3.088%, (1 Year CMT + 2.165%), 11/01/2036 (A)	71,001	73,300
3.341%, (1 Year CMT + 2.231%), 05/01/2034 (A)	97,185	100,316
Federal National Mortgage Association		
1.805%, (12 month LIBOR + 1.295%), 10/01/2038 (A)	34,693	35,018
1.849%, (12 month LIBOR + 1.439%), 04/01/2035 (A)	252,666	254,837
2.273%, (1 Year CMT + 2.148%), 01/01/2036 (A)	33,210	34,106
2.329%, (1 Year CMT + 2.195%), 02/01/2035 (A)	110,392	114,190
2.363%, (6 month LIBOR + 1.489%), 10/01/2035 (A)	111,955	113,810
2.366%, (6 month LIBOR + 1.521%), 02/01/2035 (A)	54,788	56,405
2.402%, (1 Year CMT + 2.196%), 05/01/2036 (A)	153,243	157,418
2.464%, (1 Year CMT + 2.173%), 01/01/2036 (A)	102,662	105,355
2.735%, (1 Year CMT + 2.333%), 05/01/2034 (A)	44,397	45,803
2.806%, (12 month LIBOR + 1.563%), 07/01/2035 (A)	135,331	137,277
2.829%, (1 Year CMT + 2.276%), 07/01/2035 (A)	87,385	90,411
Government National Mortgage Association		
1.625%, (1 Year CMT + 1.500%), 08/20/2032 (A)	104,429	104,271
		2,014,353
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,063,251)		\$ 2,014,353

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS – 55.2%		
Communication services – 1.6%		
AT&T, Inc. 0.900%, 03/25/2024	\$ 1,445,000	\$ 1,377,750
Comcast Corp. 3.700%, 04/15/2024	2,000,000	2,004,786
Magallanes, Inc. 3.638%, 03/15/2025 (B)	1,111,000	1,076,014
		4,458,550
Consumer discretionary – 9.4%		
Amazon.com, Inc. 0.450%, 05/12/2024	4,455,000	4,235,797
2.730%, 04/13/2024 (C)	2,000,000	1,984,499
American Honda Finance Corp. 0.650%, 09/08/2023	2,000,000	1,939,260
3.550%, 01/12/2024	2,000,000	2,002,780
eBay, Inc. 2.750%, 01/30/2023	3,000,000	2,993,568
General Motors Financial Company, Inc. 5.100%, 01/17/2024	2,000,000	2,019,889
Hyundai Capital America 0.800%, 01/08/2024 (B)	3,000,000	2,849,231
Nissan Motor Acceptance Company LLC 3.875%, 09/21/2023 (B)	1,500,000	1,489,586
Toyota Motor Credit Corp. 3.350%, 01/08/2024	3,360,000	3,363,359
Volkswagen Group of America Finance LLC 3.125%, 05/12/2023 (B)	3,000,000	2,978,518
		25,856,487
Consumer staples – 1.5%		
The Kroger Company 2.800%, 08/01/2022	2,791,000	2,790,979
Walmart, Inc. 2.850%, 07/08/2024	1,370,000	1,362,965
		4,153,944
Energy – 3.4%		
Aker BP ASA 3.000%, 01/15/2025 (B)	1,415,000	1,366,518
Energy Transfer LP 4.500%, 11/01/2023	3,000,000	3,014,993
Enterprise Products Operating LLC 3.900%, 02/15/2024	2,000,000	1,997,520
The Williams Companies, Inc. 4.500%, 11/15/2023	3,000,000	3,020,839
		9,399,870
Financials – 27.1%		
Ally Financial, Inc. 3.875%, 05/21/2024	2,000,000	1,982,347
American Express Company 3.400%, 02/22/2024	3,000,000	2,990,452
Athene Global Funding 0.950%, 01/08/2024 (B)	3,000,000	2,847,084
Bank of America Corp. 4.000%, 04/01/2024	2,000,000	2,013,727
Bank of America Corp. (0.523% to 6-14-23, then SOFR + 0.410%) 06/14/2024	2,855,000	2,751,767
Bank of Montreal 2.150%, 03/08/2024 (C)	3,000,000	2,933,781
Brighthouse Financial Global Funding 0.600%, 06/28/2023 (B)	1,000,000	968,117
Brighthouse Financial Global Funding (SOFR + 0.760%) 1.483%, 04/12/2024 (A)(B)	2,000,000	1,986,529

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Capital One Financial Corp. 3.750%, 04/24/2024	\$ 3,176,000	\$ 3,163,532
Citigroup, Inc. (2.876% to 7-24-22, then 3 month LIBOR + 0.950%) 07/24/2023	3,000,000	2,998,686
Credit Agricole SA 3.750%, 04/24/2023 (B)	2,000,000	1,998,200
Credit Suisse Group Funding Guernsey, Ltd. 3.800%, 09/15/2022	3,000,000	3,002,399
Fifth Third Bancorp 3.650%, 01/25/2024	3,000,000	2,987,303
Five Corners Funding Trust 4.419%, 11/15/2023 (B)	3,000,000	3,016,505
JPMorgan Chase & Co. (1.514% to 6-1-23, then SOFR + 1.455%) 06/01/2024	5,000,000	4,874,036
Lloyds Banking Group PLC (2.907% to 11-7-22, then 3 month LIBOR + 0.810%) 11/07/2023	2,000,000	1,993,057
Morgan Stanley 3.875%, 04/29/2024	2,000,000	2,002,547
Morgan Stanley (3.737% to 4-24-23, then 3 month LIBOR + 0.847%) 04/24/2024	3,000,000	2,989,555
NatWest Markets PLC 3.625%, 09/29/2022 (B)	5,000,000	5,005,593
Santander Holdings USA, Inc. 3.244%, 10/05/2026	3,000,000	2,813,330
The Bank of New York Mellon Corp. 3.450%, 08/11/2023	3,000,000	3,007,602
The Bank of Nova Scotia 1.950%, 02/01/2023	3,000,000	2,979,153
The Goldman Sachs Group, Inc. 1.217%, 12/06/2023	3,000,000	2,890,214
Toronto-Dominion Bank 0.450%, 09/11/2023	2,000,000	1,934,501
UBS Group AG (1.008% to 7-30-23, then 1 Year CMT + 0.830%) 07/30/2024 (B)	3,000,000	2,904,886
Wells Fargo & Company 3.300%, 09/09/2024	2,765,000	2,727,884
3.750%, 01/24/2024	3,000,000	3,007,104
		74,769,891
Health care – 1.9%		
AbbVie, Inc. 2.850%, 05/14/2023	1,001,000	997,497
Cigna Corp. 0.613%, 03/15/2024	3,000,000	2,856,909
UnitedHealth Group, Inc. 3.500%, 02/15/2024	1,360,000	1,365,801
		5,220,207
Industrials – 1.4%		
AerCap Ireland Capital DAC 3.150%, 02/15/2024	2,000,000	1,935,567
The Boeing Company 1.433%, 02/04/2024	2,000,000	1,910,459
		3,846,026
Information technology – 5.0%		
Apple, Inc. 0.750%, 05/11/2023 (C)	2,000,000	1,964,889
2.850%, 05/11/2024	2,000,000	1,985,568
Hewlett Packard Enterprise Company 4.400%, 10/15/2022	2,000,000	2,003,719

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
NXP BV		
4.875%, 03/01/2024	\$ 3,000,000	\$ 3,029,187
Oracle Corp.		
2.625%, 02/15/2023	3,000,000	2,987,653
VMware, Inc.		
0.600%, 08/15/2023	2,000,000	1,932,936
		13,903,952
Materials – 2.1%		
Georgia-Pacific LLC		
0.625%, 05/15/2024 (B)	3,000,000	2,818,648
Graphic Packaging International LLC		
0.821%, 04/15/2024 (B)	3,000,000	2,822,204
		5,640,852
Utilities – 1.8%		
Alexander Funding Trust		
1.841%, 11/15/2023 (B)	3,000,000	2,872,209
Eversource Energy		
2.800%, 05/01/2023	2,000,000	1,987,594
		4,859,803
TOTAL CORPORATE BONDS (Cost \$155,685,160)		\$ 152,109,582
MUNICIPAL BONDS – 0.7%		
Port Authority of New York & New Jersey		
1.086%, 07/01/2023	2,000,000	1,962,932
TOTAL MUNICIPAL BONDS (Cost \$2,000,000)		\$ 1,962,932
COLLATERALIZED MORTGAGE OBLIGATIONS – 0.4%		
Commercial and residential – 0.2%		
BX Commercial Mortgage Trust		
Series 2022-AHP, Class A (1 month CME Term SOFR + 0.990%)		
2.269%, 01/17/2039 (A)(B)	408,000	394,619
COLT Mortgage Loan Trust		
Series 2020-3, Class A1		
1.506%, 04/27/2065 (B)(D)	224,932	215,511
Vista Point Securitization Trust		
Series 2020-1, Class A1		
1.763%, 03/25/2065 (B)(D)	33,200	33,142
		643,272
U.S. Government Agency – 0.2%		
Federal National Mortgage Association		
Series 2013-10, Class FT (1 month LIBOR + 0.350%)		
1.974%, 04/25/2042 (A)	553,877	549,165
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$1,220,056)		\$ 1,192,437
ASSET BACKED SECURITIES – 22.2%		
Ally Auto Receivables Trust		
Series 2019-3, Class A3		
1.930%, 05/15/2024	188,163	187,978
Series 2019-4, Class A3		
1.840%, 06/17/2024	760,460	759,327
American Tower Trust		
Series 2013, Class 2A		
3.070%, 03/15/2048 (B)	2,500,000	2,489,239
AmeriCredit Automobile Receivables Trust		
Series 2018-3, Class D		
4.040%, 11/18/2024	2,650,000	2,649,533
Series 2020-1, Class C		
1.590%, 10/20/2025	3,000,000	2,900,839

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Avis Budget Rental Car Funding		
AESOP LLC		
Series 2019-3A, Class A		
2.360%, 03/20/2026 (B)	\$ 3,000,000	\$ 2,858,402
BA Credit Card Trust		
Series 2021-A1, Class A1		
0.440%, 09/15/2026	3,753,000	3,564,057
CarMax Auto Owner Trust		
Series 2018-4, Class A3		
3.360%, 09/15/2023	5,637	5,643
Series 2019-1, Class A3		
3.050%, 03/15/2024	169,434	169,642
Series 2019-2, Class A4		
2.770%, 12/16/2024	2,000,000	1,993,691
Series 2022-1, Class A1		
0.313%, 02/15/2023	62,938	62,890
Carvana Auto Receivables Trust		
Series 2021-N4, Class A1		
0.830%, 09/11/2028	1,020,490	1,000,816
Series 2022-P1, Class A2		
2.570%, 05/12/2025	2,000,000	1,981,486
CCG Receivables Trust		
Series 2019-1, Class B		
3.220%, 09/14/2026 (B)	1,055,820	1,057,255
Series 2021-1, Class A2		
0.300%, 06/14/2027 (B)	1,307,857	1,272,683
Chesapeake Funding II LLC		
Series 2020-1A, Class A1		
0.870%, 08/15/2032 (B)	297,829	293,496
CNH Equipment Trust		
Series 2020-A, Class A3		
1.160%, 06/16/2025	1,084,444	1,070,252
Dell Equipment Finance Trust		
Series 2020-1, Class C		
4.260%, 06/22/2023 (B)	1,000,000	1,001,394
Series 2021-2, Class A2		
0.330%, 12/22/2026 (B)	120,552	118,743
Enterprise Fleet Funding LLC		
Series 2021-1, Class A2		
0.440%, 12/21/2026 (B)	1,028,683	998,486
Flagship Credit Auto Trust		
Series 2018-2, Class D		
4.230%, 09/16/2024 (B)	1,140,000	1,139,154
Series 2021-1, Class A		
0.310%, 06/16/2025 (B)	463,371	458,123
Ford Credit Floorplan Master Owner Trust		
Series 2019-3, Class A1		
2.230%, 09/15/2024	1,566,000	1,565,873
GM Financial Consumer Automobile Receivables Trust		
Series 2020-1, Class A4		
1.900%, 03/17/2025	500,000	491,995
Series 2021-1, Class A3		
0.350%, 10/16/2025	2,000,000	1,950,659
GreatAmerica Leasing Receivables Funding LLC		
Series 2019-1, Class C		
3.540%, 02/17/2026 (B)	1,000,000	999,364
Series 2021-1, Class A2		
0.270%, 06/15/2023 (B)	828,142	823,728
Series 2021-2, Class A2		
0.380%, 03/15/2024 (B)	1,425,000	1,396,693
Honda Auto Receivables Owner Trust		
Series 2020-3, Class A3		
0.370%, 10/18/2024	2,087,800	2,049,983

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2022 (unaudited) (showing percentage of total net assets)

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Honda Auto Receivables Owner Trust (continued)		
Series 2021-1, Class A3 0.270%, 04/21/2025	\$ 1,090,000	\$ 1,064,084
HPEFS Equipment Trust		
Series 2021-1A, Class A2 0.270%, 03/20/2031 (B)	737,069	733,321
Series 2022-1A, Class A2 1.020%, 05/21/2029 (B)	3,190,000	3,125,755
Hyundai Auto Lease Securitization Trust		
Series 2021-B, Class A3 0.330%, 06/17/2024 (B)	3,000,000	2,922,021
Mercedes-Benz Auto Receivables Trust		
Series 2021-1, Class A2 0.210%, 07/15/2024	1,296,245	1,282,747
MMAF Equipment Finance LLC		
Series 2019-A, Class A4 2.930%, 03/10/2026 (B)	405,000	402,376
Series 2019-B, Class A3 2.010%, 12/12/2024 (B)	95,267	94,239
Nissan Auto Receivables Owner Trust		
Series 2019-A, Class A3 2.900%, 10/16/2023	196,204	196,395
Series 2019-B, Class A3 2.500%, 11/15/2023	445,882	446,287
Santander Consumer Auto Receivables Trust		
Series 2020-AA, Class A 1.370%, 10/15/2024 (B)	104,202	104,002
Series 2021-AA, Class A3 0.330%, 10/15/2025 (B)	2,247,970	2,207,353
Santander Drive Auto Receivables Trust		
Series 2021-3, Class A3 0.330%, 03/17/2025	223,293	222,581
Series 2021-3, Class C 0.950%, 09/15/2027	1,693,000	1,628,974
Santander Retail Auto Lease Trust		
Series 2020-B, Class A3 0.570%, 04/22/2024 (B)	2,000,000	1,953,064
Series 2022-B, Class A2 2.840%, 05/20/2025 (B)	2,000,000	1,987,288
SCF Equipment Leasing		
Series 2019-2A, Class A2 2.470%, 04/20/2026 (B)	991,031	978,258
Tesla Auto Lease Trust		
Series 2020-A, Class A3 0.680%, 12/20/2023 (B)	361,060	356,724
Verizon Owner Trust		
Series 2019-C, Class C 2.160%, 04/22/2024	295,000	291,229
Series 2020-A, Class B 1.980%, 07/22/2024	125,000	123,623
Series 2020-B, Class A 0.470%, 02/20/2025	3,000,000	2,952,785
Series 2020-C, Class A 0.410%, 04/21/2025	239,000	233,685
Westlake Automobile Receivables Trust		
Series 2021-3A, Class A2 0.570%, 09/16/2024 (B)	519,597	513,666
World Omni Auto Receivables Trust		
Series 2018-D, Class A3 3.330%, 04/15/2024	50,477	50,550
TOTAL ASSET BACKED SECURITIES (Cost \$62,299,835)		\$ 61,182,431

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 25.7%		
U.S. Government – 19.1%		
U.S. Treasury Bill		
0.758%, 07/21/2022 *	\$ 21,840,000	\$ 21,827,685
1.008%, 08/11/2022 *	19,000,000	18,972,140
1.060%, 08/25/2022 *	11,800,000	11,774,130
		52,573,955
Short-term funds – 6.6%		
John Hancock Collateral Trust, 1.4215% (E)(F)	49,081	490,637
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.7415% (E)	17,692,838	17,692,838
		18,183,475
TOTAL SHORT-TERM INVESTMENTS (Cost \$70,773,416)		\$ 70,757,430
Total Investments (Ultra Short Term Bond Trust) (Cost \$294,041,718) – 104.9%		\$ 289,219,165
Other assets and liabilities, net – (4.9%)		(13,464,755)
TOTAL NET ASSETS – 100.0%		\$ 275,754,410

Security Abbreviations and Legend

CME	Chicago Mercantile Exchange
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 \$67,927,941 or 24.6% of the fund's net assets as of 6-30-22.
(C)	All or a portion of this security is on loan as of 6-30-22.
(D)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(E)	The rate shown is the annualized seven-day yield as of 6-30-22.
(F)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.