

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 35.8%</b>		
<b>U.S. Government – 13.0%</b>		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 2,000,000	\$ 1,920,078
2.000%, 02/15/2050	3,597,000	4,117,160
2.250%, 08/15/2049	8,679,000	10,432,429
2.500%, 02/15/2045	4,501,000	5,550,120
2.750%, 11/15/2042	5,155,000	6,601,219
2.875%, 05/15/2049	3,000,000	4,056,328
3.000%, 02/15/2047	8,272,000	11,263,814
3.125%, 11/15/2041	5,430,000	7,352,559
3.375%, 11/15/2048	2,300,000	3,377,855
U.S. Treasury Inflation Protected Securities		
0.250%, 07/15/2029	1,774,514	1,942,443
U.S. Treasury Notes		
0.250%, 06/30/2025	7,325,000	7,310,693
0.625%, 05/15/2030	4,159,000	4,146,328
1.625%, 09/30/2026	1,395,000	1,498,099
2.375%, 05/15/2027 to 05/15/2029	13,000,000	14,849,688
2.875%, 08/15/2028	10,000,000	11,841,406
		96,260,219
<b>U.S. Government Agency – 22.8%</b>		
Federal Home Loan Mortgage Corp.		
3.000%, 03/01/2043 to 01/01/2050	14,793,161	15,750,444
3.000%, 01/01/2050 (A)	3,042,122	3,229,293
3.500%, 10/01/2046 to 12/01/2049	14,897,333	16,037,054
4.000%, 01/01/2041 to 12/01/2048	4,029,465	4,357,044
4.500%, 09/01/2023 to 10/01/2041	2,169,435	2,402,780
Federal National Mortgage Association		
3.000%, TBA (A)	26,250,000	27,635,302
3.000%, 01/01/2043 to 11/01/2049	17,173,497	18,296,946
3.500%, TBA (A)	25,000,000	26,289,063
3.500%, 06/01/2042 to 03/01/2050	16,786,918	18,076,697
3.500%, 04/01/2050 (A)	741,797	792,314
3.767%, (12 month LIBOR + 1.620%), 08/01/2034 (B)	333,277	348,392
3.997%, (6 month LIBOR + 2.122%), 07/01/2033 (B)	18,511	19,296
4.000%, TBA (A)	16,000,000	16,951,875
4.000%, 10/01/2025 to 11/01/2045	6,518,541	7,117,867
4.500%, 05/01/2041	1,849,972	2,057,666
5.000%, 01/01/2022 to 02/01/2036	1,699,734	1,943,034
5.500%, 09/01/2034 to 01/01/2037	2,143,969	2,498,930
6.000%, 05/01/2035 to 02/01/2036	1,619,056	1,909,584
7.000%, 09/01/2031 to 06/01/2032	123,715	145,122
7.500%, 09/01/2029 to 08/01/2031	27,099	31,587
Government National Mortgage Association		
4.000%, 02/15/2041	1,709,604	1,879,405
5.000%, 04/15/2035	231,538	262,694
5.500%, 03/15/2035	168,106	195,049
6.000%, 03/15/2033 to 06/15/2033	153,771	179,028
6.500%, 09/15/2028 to 08/15/2031	36,210	40,911
7.000%, 04/15/2029	31,333	35,859
8.000%, 10/15/2026	16,281	18,228
		168,501,464
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS</b> (Cost \$246,833,342)		\$ 264,761,683
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.6%</b>		
<b>Argentina – 0.0%</b>		
Republic of Argentina, GDP-Linked Note		
6.239%, 12/15/2035 (C)*	ARS 19,532,033	5,988

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Germany – 0.2%</b>		
Federal Republic of Germany		
6.250%, 01/04/2030	EUR 725,000	\$ 1,350,682
<b>Mexico – 0.1%</b>		
Government of Mexico		
8.000%, 12/07/2023	MXN 11,861,100	568,483
<b>Panama – 0.1%</b>		
Republic of Panama		
8.875%, 09/30/2027	\$ 344,000	488,483
9.375%, 04/01/2029	130,000	197,275
		685,758
<b>Qatar – 0.1%</b>		
State of Qatar		
3.375%, 03/14/2024 (D)	428,000	458,163
5.103%, 04/23/2048 (D)	255,000	346,431
		804,594
<b>Saudi Arabia – 0.1%</b>		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (D)	640,000	743,424
<b>United Kingdom – 0.0%</b>		
Government of United Kingdom		
6.000%, 12/07/2028	GBP 85,000	157,286
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b> (Cost \$4,112,552)		\$ 4,316,215
<b>CORPORATE BONDS – 46.6%</b>		
<b>Communication services – 5.3%</b>		
Activision Blizzard, Inc.		
3.400%, 09/15/2026	\$ 218,000	247,594
AT&T, Inc.		
2.300%, 06/01/2027	322,000	332,450
3.400%, 05/15/2025	700,000	769,690
3.800%, 02/15/2027	372,000	418,904
4.350%, 06/15/2045	285,000	320,602
7.570%, 02/01/2024	716,000	870,144
7.625%, 04/15/2031	451,000	664,053
C&W Senior Financing DAC		
6.875%, 09/15/2027 (D)	315,000	312,004
CC Holdings GS V LLC		
3.849%, 04/15/2023	374,000	403,930
CenturyLink, Inc.		
4.000%, 02/15/2027 (D)	150,000	145,190
7.600%, 09/15/2039	1,000,000	1,076,250
Charter Communications Operating LLC		
2.800%, 04/01/2031	400,000	405,292
4.200%, 03/15/2028	671,000	752,198
4.800%, 03/01/2050	699,000	792,250
5.750%, 04/01/2048	775,000	964,410
6.484%, 10/23/2045	708,000	940,679
Cincinnati Bell, Inc.		
7.000%, 07/15/2024 (D)	482,000	491,640
Comcast Corp.		
3.100%, 04/01/2025	333,000	365,786
3.969%, 11/01/2047	633,000	764,477
3.999%, 11/01/2049	864,000	1,042,947
4.049%, 11/01/2052	532,000	652,447
4.150%, 10/15/2028	1,138,000	1,369,063
Comunicaciones Celulares SA		
6.875%, 02/06/2024 (D)	700,000	715,869
CSC Holdings LLC		
5.375%, 02/01/2028 (D)	135,000	141,075
5.750%, 01/15/2030 (D)	416,000	434,508
5.875%, 09/15/2022	215,000	224,675
7.500%, 04/01/2028 (D)	220,000	240,075

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Deutsche Telekom International Finance BV	\$ 758,000	\$ 1,180,631
8.750%, 06/15/2030		
Diamond Sports Group LLC	375,000	201,000
6.625%, 08/15/2027 (D)		
Fox Corp.	400,000	446,572
3.500%, 04/08/2030		
GCI LLC	177,000	185,223
6.875%, 04/15/2025	216,000	222,480
Level 3 Financing, Inc.	432,000	455,816
3.400%, 03/01/2027 (D)		
Lions Gate Capital Holdings LLC	287,000	274,085
5.875%, 11/01/2024 (D)	19,000	18,525
6.375%, 02/01/2024 (D)		
Liquid Telecommunications Financing PLC	280,000	275,884
8.500%, 07/13/2022 (D)		
Match Group, Inc.	234,000	229,100
4.125%, 08/01/2030 (D)		
MDC Partners, Inc.	502,000	466,860
6.500%, 05/01/2024 (D)		
Meredith Corp.	475,000	393,780
6.875%, 02/01/2026		
MTN Mauritius Investments, Ltd.	140,000	139,349
4.755%, 11/11/2024 (D)		
National CineMedia LLC	180,000	144,000
5.875%, 04/15/2028 (D)		
Netflix, Inc.	700,000	728,119
4.375%, 11/15/2026	774,000	827,615
4.875%, 04/15/2028	277,000	295,938
4.875%, 06/15/2030 (D)	120,000	131,801
5.375%, 11/15/2029 (D)	520,000	591,396
5.875%, 11/15/2028		
Oztel Holdings SPC, Ltd.	250,000	246,646
6.625%, 04/24/2028 (D)		
Radiate Holdco LLC	320,000	318,467
6.625%, 02/15/2025 (D)		
Sirius XM Radio, Inc.	453,000	464,696
5.000%, 08/01/2027 (D)	233,000	240,628
5.375%, 07/15/2026 (D)		
SoftBank Group Corp. (6.875% to 7-19-27, then 5 Year ICE Swap Rate + 4.850%) 07/19/2027 (E)	404,000	375,720
Sprint Capital Corp.	400,000	487,480
6.875%, 11/15/2028		
Sprint Corp.	305,000	343,506
7.875%, 09/15/2023		
Telecom Argentina SA	272,000	252,557
6.500%, 06/15/2021 (D)(F)	249,000	222,257
8.000%, 07/18/2026 (D)		
Telecom Italia Capital SA	405,000	481,950
7.200%, 07/18/2036		
Telecom Italia SpA	270,000	281,143
5.303%, 05/30/2024 (D)		
Telefonica Celular del Paraguay SA	265,000	275,600
5.875%, 04/15/2027 (D)		
Time Warner Cable LLC	450,000	541,232
5.500%, 09/01/2041		
Time Warner Entertainment Company LP	300,000	451,723
8.375%, 07/15/2033		
T-Mobile USA, Inc.	362,000	361,975
1.500%, 02/15/2026 (D)	624,000	624,293
2.050%, 02/15/2028 (D)	208,000	208,732
2.550%, 02/15/2031 (D)		

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
T-Mobile USA, Inc. (continued)	\$ 1,106,000	\$ 1,232,714
3.875%, 04/15/2030 (D)	696,000	819,853
4.500%, 04/15/2050 (D)		
Twitter, Inc.	85,000	85,009
3.875%, 12/15/2027 (D)		
Univision Communications, Inc.	306,000	292,230
6.625%, 06/01/2027 (D)		
Verizon Communications, Inc.	104,000	115,352
3.000%, 03/22/2027	1,311,000	1,623,077
4.272%, 01/15/2036	335,000	416,270
4.400%, 11/01/2034	978,000	1,292,392
4.522%, 09/15/2048	397,000	539,422
4.672%, 03/15/2055	760,000	1,033,144
4.862%, 08/21/2046	335,000	485,233
5.012%, 08/21/2054		
ViacomCBS, Inc.	642,000	671,110
4.375%, 03/15/2043		
Vodafone Group PLC (7.000% to 1-4-29, then 5 Year U.S. Swap Rate + 4.870%) 04/04/2079	671,000	786,527
WMG Acquisition Corp.	234,000	242,120
5.500%, 04/15/2026 (D)		38,879,434
<b>Consumer discretionary – 4.3%</b>		
Advance Auto Parts, Inc.	650,000	705,177
4.500%, 12/01/2023		
Amazon.com, Inc.	760,000	869,650
3.150%, 08/22/2027	440,000	573,708
4.050%, 08/22/2047		
Asbury Automotive Group, Inc.	20,000	19,500
4.750%, 03/01/2030 (D)		
AutoNation, Inc.	246,000	266,514
4.750%, 06/01/2030		
AutoZone, Inc.	535,000	587,365
3.125%, 04/21/2026		
BMW US Capital LLC	671,000	695,234
2.950%, 04/14/2022 (D)		
Brinker International, Inc.	740,000	684,500
3.875%, 05/15/2023		
CCM Merger, Inc.	195,000	193,050
6.000%, 03/15/2022 (D)		
Colt Merger Sub, Inc.	116,000	116,580
5.750%, 07/01/2025 (D)		
Connect Finco SARL	490,000	463,050
6.750%, 10/01/2026 (D)		
Daimler Finance North America LLC	300,000	310,104
2.700%, 06/14/2024 (D)	240,000	258,317
3.500%, 08/03/2025 (D)		
Dealer Tire LLC	122,000	113,003
8.000%, 02/01/2028 (D)		
Dollar Tree, Inc.	781,000	908,852
4.200%, 05/15/2028		
eBay, Inc.	544,000	571,778
2.700%, 03/11/2030	520,000	546,364
3.800%, 03/09/2022		
Eldorado Resorts, Inc.	160,000	172,851
6.000%, 09/15/2026	95,000	97,632
7.000%, 08/01/2023		
Expedia Group, Inc.	479,000	446,415
3.250%, 02/15/2030	743,000	713,978
3.800%, 02/15/2028	1,315,000	1,353,450
5.000%, 02/15/2026		
Ford Motor Credit Company LLC	1,179,000	1,118,223
4.134%, 08/04/2025	667,000	650,578
5.113%, 05/03/2029		

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## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Ford Motor Credit		
Company LLC (continued)		
5.875%, 08/02/2021	\$ 650,000	\$ 656,305
General Motors Financial Company, Inc.		
4.000%, 01/15/2025	929,000	971,137
4.300%, 07/13/2025	460,000	479,315
5.200%, 03/20/2023	371,000	396,951
Hanesbrands, Inc.		
5.375%, 05/15/2025 (D)	125,000	126,406
Hilton Domestic Operating Company, Inc.		
4.875%, 01/15/2030	200,000	197,000
5.750%, 05/01/2028 (D)	95,000	95,950
Hyatt Hotels Corp.		
3.375%, 07/15/2023	660,000	665,821
International Game Technology PLC		
6.500%, 02/15/2025 (D)	180,000	184,052
Jacobs Entertainment, Inc.		
7.875%, 02/01/2024 (D)	222,000	195,582
JB Poindexter & Company, Inc.		
7.125%, 04/15/2026 (D)	106,000	107,060
Laureate Education, Inc.		
8.250%, 05/01/2025 (D)	209,000	216,838
Levi Strauss & Company		
5.000%, 05/01/2025 (D)	233,000	233,876
Macy's, Inc.		
8.375%, 06/15/2025 (D)	124,000	123,380
Magna International, Inc.		
2.450%, 06/15/2030	147,000	150,448
Marriott International, Inc.		
3.125%, 06/15/2026	1,000,000	972,711
McDonald's Corp.		
3.600%, 07/01/2030	500,000	575,082
4.200%, 04/01/2050	500,000	605,631
MDC Holdings, Inc.		
5.500%, 01/15/2024 (F)	670,000	716,900
NCL Corp., Ltd.		
3.625%, 12/15/2024 (D)	700,000	428,750
NIKE, Inc.		
2.750%, 03/27/2027	500,000	548,806
2.850%, 03/27/2030	500,000	556,888
Nissan Motor Acceptance Corp.		
3.450%, 03/15/2023 (D)	285,000	283,295
Nordstrom, Inc.		
8.750%, 05/15/2025 (D)	51,000	54,883
Prosus NV		
5.500%, 07/21/2025 (D)	365,000	412,287
QVC, Inc.		
4.375%, 03/15/2023	315,000	314,969
5.125%, 07/02/2022	185,000	186,813
5.450%, 08/15/2034	245,000	221,546
Resorts World Las Vegas LLC		
4.625%, 04/16/2029 (D)	300,000	293,954
Sotheby's		
7.375%, 10/15/2027 (D)(F)	330,000	311,850
Starbucks Corp.		
2.250%, 03/12/2030	523,000	543,251
Target Corp.		
2.250%, 04/15/2025	762,000	815,128
2.650%, 09/15/2030	500,000	549,286
The Home Depot, Inc.		
2.500%, 04/15/2027	500,000	547,760
2.700%, 04/15/2030	500,000	548,915
The TJX Companies, Inc.		
3.500%, 04/15/2025	442,000	491,771

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
The TJX Companies, Inc. (continued)		
3.875%, 04/15/2030	\$ 942,000	\$ 1,106,766
4.500%, 04/15/2050	400,000	511,448
Twin River Worldwide Holdings, Inc.		
6.750%, 06/01/2027 (D)	353,000	335,350
Volkswagen Group of America Finance LLC		
2.900%, 05/13/2022 (D)	563,000	581,442
Waterford Gaming LLC		
8.625%, 09/15/2014 (D)(G)(H)	330,607	0
Wyndham Destinations, Inc.		
4.625%, 03/01/2030 (D)	191,000	176,675
5.750%, 04/01/2027	700,000	673,750
Yum! Brands, Inc.		
4.750%, 01/15/2030 (D)	241,000	244,615
5.350%, 11/01/2043 (F)	600,000	576,000
6.875%, 11/15/2037	292,000	313,900
		31,736,416
<b>Consumer staples – 1.7%</b>		
Albertsons Companies, Inc.		
4.875%, 02/15/2030 (D)	148,000	151,423
Alimentation Couche-Tard, Inc.		
2.700%, 07/26/2022 (D)	315,000	322,466
Anheuser-Busch InBev Worldwide, Inc.		
4.439%, 10/06/2048	730,000	840,637
4.600%, 04/15/2048	440,000	513,660
Bunge, Ltd. Finance Corp.		
3.250%, 08/15/2026	500,000	516,251
Cargill, Inc.		
1.375%, 07/23/2023 (D)	221,000	224,814
2.125%, 04/23/2030 (D)	220,000	230,562
Constellation Brands, Inc.		
2.875%, 05/01/2030	168,000	177,965
Dollar General Corp.		
3.500%, 04/03/2030	324,000	362,925
Edgewell Personal Care Company		
5.500%, 06/01/2028 (D)	162,000	166,658
Fomento Economico Mexicano SAB de CV		
4.375%, 05/10/2043	1,000,000	1,207,652
General Mills, Inc.		
2.875%, 04/15/2030	400,000	434,870
3.150%, 12/15/2021	500,000	515,265
JBS Investments II GmbH		
5.750%, 01/15/2028 (D)	490,000	484,394
Keurig Dr. Pepper, Inc.		
3.200%, 05/01/2030	720,000	796,510
Kraft Heinz Foods Company		
3.875%, 05/15/2027 (D)	32,000	33,434
5.500%, 06/01/2050 (D)	224,000	238,690
Lamb Weston Holdings, Inc.		
4.875%, 05/15/2028 (D)	22,000	23,309
Natura Cosmeticos SA		
5.375%, 02/01/2023 (D)(F)	410,000	414,613
PepsiCo, Inc.		
2.750%, 03/19/2030	500,000	557,106
Post Holdings, Inc.		
5.500%, 12/15/2029 (D)	177,000	183,039
Reynolds American, Inc.		
4.850%, 09/15/2023	1,000,000	1,113,898
Simmons Foods, Inc.		
5.750%, 11/01/2024 (D)	235,000	223,250
Sysco Corp.		
5.950%, 04/01/2030	499,000	625,282
6.600%, 04/01/2050	1,000,000	1,373,724

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## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
The Coca-Cola Company 4.200%, 03/25/2050	\$ 357,000	\$ 468,645
The Estee Lauder Companies, Inc. 2.600%, 04/15/2030	400,000	436,212
The Kroger Company 2.200%, 05/01/2030	276,000	286,990
		12,924,244
<b>Energy – 4.0%</b>		
Aker BP ASA 3.000%, 01/15/2025 (D)	270,000	262,957
Anadarko Petroleum Corp. 4.500%, 07/15/2044 (F) 5.550%, 03/15/2026 (F)	400,000 800,000	231,744 730,168
Antero Resources Corp. 5.000%, 03/01/2025	223,000	131,570
Apache Corp. 5.100%, 09/01/2040	325,000	266,930
Boardwalk Pipelines LP 3.375%, 02/01/2023	850,000	852,787
BP Capital Markets PLC 2.750%, 05/10/2023 (F)	530,000	556,620
Buckeye Partners LP 3.950%, 12/01/2026	500,000	470,015
Cameron International Corp. 5.950%, 06/01/2041	1,178,000	1,459,186
Cimarex Energy Company 4.375%, 06/01/2024	245,000	258,444
CNOOC Finance 2003, Ltd. 5.500%, 05/21/2033 (D)	545,000	709,530
Colorado Interstate Gas Company LLC 4.150%, 08/15/2026 (D)	170,000	189,182
ConocoPhillips Company 5.950%, 03/15/2046	30,000	43,717
Continental Resources, Inc. 4.900%, 06/01/2044	400,000	318,500
CSI Compressco LP 7.500%, 04/01/2025 (D)	491,881	418,099
CSI Compressco LP (10.000% Cash or 10.000% PIK) 10.000%, 04/01/2026 (D)	307,253	193,569
DCP Midstream Operating LP 5.125%, 05/15/2029	130,000	124,150
DCP Midstream Operating LP (5.850% to 5-21-23, then 3 month LIBOR + 3.850%) 05/21/2043 (D)	281,000	196,700
Devon Energy Corp. 5.000%, 06/15/2045 7.875%, 09/30/2031 (F)	600,000 874,000	537,392 1,025,523
Enbridge Energy Partners LP 7.500%, 04/15/2038	600,000	824,134
Enbridge, Inc. (5.500% to 7-15-27, then 3 month LIBOR + 3.420%) 07/15/2077	397,000	379,135
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.640%) 03/01/2078	394,000	388,090
Energen Corp. 4.625%, 09/01/2021	500,000	503,705
Energy Transfer Operating LP 4.200%, 04/15/2027 4.250%, 03/15/2023 5.150%, 03/15/2045 5.875%, 01/15/2024 5.950%, 10/01/2043	141,000 490,000 340,000 365,000 300,000	147,521 517,239 322,424 408,222 306,347
Enterprise Products Operating LLC 6.875%, 03/01/2033	471,000	624,840

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.030%) 08/16/2077	\$ 701,000	\$ 655,435
Hess Corp. 5.600%, 02/15/2041 5.800%, 04/01/2047	400,000 500,000	419,606 542,497
Husky Energy, Inc. 3.950%, 04/15/2022	327,000	334,080
Kinder Morgan Energy Partners LP 5.000%, 10/01/2021 7.750%, 03/15/2032	500,000 260,000	519,702 350,657
Marathon Oil Corp. 6.800%, 03/15/2032 (F)	785,000	831,266
MPLX LP 4.000%, 03/15/2028 4.250%, 12/01/2027 5.250%, 01/15/2025	411,000 156,000 100,000	433,027 169,100 103,983
MPLX LP (6.875% to 2-15-23, then 3 month LIBOR + 4.650%) 02/15/2023 (E)	862,000	767,180
Murphy Oil Corp. 5.750%, 08/15/2025	222,000	200,470
National Oilwell Varco, Inc. 2.600%, 12/01/2022	171,000	172,100
Newfield Exploration Company 5.625%, 07/01/2024 5.750%, 01/30/2022	500,000 250,000	475,013 250,484
Noble Holding International, Ltd. 5.250%, 03/15/2042	500,000	15,000
ONEOK Partners LP 4.900%, 03/15/2025 6.650%, 10/01/2036	175,000 835,000	189,983 934,268
Petrobras Global Finance BV 5.093%, 01/15/2030 (D) 6.900%, 03/19/2049	924,000 255,000	920,304 268,388
Phillips 66 3.700%, 04/06/2023	128,000	136,831
Plains All American Pipeline LP 4.900%, 02/15/2045	750,000	693,509
Sabine Pass Liquefaction LLC 4.200%, 03/15/2028 5.000%, 03/15/2027 5.875%, 06/30/2026	293,000 336,000 555,000	314,234 375,890 652,125
Sinopec Group Overseas Development 2015, Ltd. 3.250%, 04/28/2025 (D)(F)	550,000	592,720
Sunoco Logistics Partners Operations LP 3.900%, 07/15/2026 5.400%, 10/01/2047	475,000 324,000	499,645 318,715
Targa Resources Partners LP 5.875%, 04/15/2026	528,000	522,720
Teekay Offshore Partners LP 8.500%, 07/15/2023 (D)	347,000	305,360
Tervita Corp. 7.625%, 12/01/2021 (D)	272,000	213,520
The Williams Companies, Inc. 3.750%, 06/15/2027 4.550%, 06/24/2024 5.750%, 06/24/2044	437,000 929,000 149,000	466,130 1,030,826 171,837
TransCanada PipeLines, Ltd. 4.250%, 05/15/2028	270,000	310,587
Valero Energy Corp. 2.850%, 04/15/2025	400,000	421,894
WPX Energy, Inc. 4.500%, 01/15/2030	255,000	225,321

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
WPX Energy, Inc. (continued)		
5.250%, 09/15/2024 to 10/15/2027	\$ 476,000	\$ 451,533
		29,654,380
<b>Financials – 12.7%</b>		
Allied Universal Holdco LLC		
6.625%, 07/15/2026 (D)	146,000	153,300
Ally Financial, Inc.		
5.125%, 09/30/2024	615,000	664,163
5.800%, 05/01/2025	340,000	379,602
Ambac LSNi LLC (3 month LIBOR + 5.000%) 6.000%, 02/12/2023 (B)(D)	495	489
American International Group, Inc.		
3.900%, 04/01/2026	830,000	937,483
American International Group, Inc.		
(6.250% to 3-15-37, then 3 month LIBOR + 2.056%) 6.250%, 03/15/2037	100,000	97,000
Ameriprise Financial, Inc.		
2.875%, 09/15/2026	500,000	541,540
Ares Capital Corp.		
4.200%, 06/10/2024	387,000	396,262
Assurant, Inc.		
4.000%, 03/15/2023	1,260,000	1,343,981
Australia & New Zealand Banking Group, Ltd. (6.750% to 6-15-26, then 5 Year ICE Swap Rate + 5.170%) 06/15/2026 (D)(E)	235,000	260,704
AXA SA		
8.600%, 12/15/2030	170,000	246,910
Banco Santander SA		
4.379%, 04/12/2028	400,000	446,829
Bank of America Corp.		
2.625%, 10/19/2020	1,000,000	1,006,795
3.950%, 04/21/2025	539,000	596,408
4.200%, 08/26/2024	263,000	291,837
4.450%, 03/03/2026	618,000	709,591
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	627,000	663,210
Bank of America Corp. (2.884% to 10-22-29, then 3 month LIBOR + 1.190%) 10/22/2030	500,000	540,911
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,149,000	1,208,471
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,087,000	1,210,526
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	500,000	623,902
Bank of America Corp. (6.300% to 3-10-26, then 3 month LIBOR + 4.550%) 03/10/2026 (E)	708,000	785,682
Barclays PLC		
4.375%, 01/12/2026	300,000	337,563
BlackRock, Inc.		
1.900%, 01/28/2031	500,000	510,827
BPCE SA		
4.500%, 03/15/2025 (D)	405,000	442,186
5.700%, 10/22/2023 (D)	340,000	378,858
Brighthouse Financial, Inc.		
3.700%, 06/22/2027	630,000	642,381
Cantor Fitzgerald LP		
4.875%, 05/01/2024 (D)	520,000	560,627

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Capital One Financial Corp.		
2.600%, 05/11/2023	\$ 258,000	\$ 269,418
3.500%, 06/15/2023	1,023,000	1,095,597
3.750%, 07/28/2026	500,000	545,603
3.900%, 01/29/2024	300,000	326,245
CIT Group, Inc.		
5.000%, 08/01/2023	700,000	713,930
Citigroup, Inc.		
3.200%, 10/21/2026	618,000	677,746
3.500%, 05/15/2023	1,060,000	1,131,709
4.500%, 01/14/2022	1,000,000	1,059,835
4.600%, 03/09/2026	736,000	840,333
5.500%, 09/13/2025	215,000	254,741
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.910%) 03/31/2031	1,000,000	1,182,688
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.230%) 01/30/2025 (E)	575,000	509,766
Citigroup, Inc. (6.250% to 8-15-26, then 3 month LIBOR + 4.520%) 08/15/2026 (E)	490,000	519,826
Citizens Bank NA		
2.250%, 04/28/2025	440,000	466,925
Citizens Financial Group, Inc.		
3.250%, 04/30/2030	605,000	653,697
CNO Financial Group, Inc.		
5.250%, 05/30/2025 to 05/30/2029	678,000	733,031
Credit Agricole SA		
3.250%, 01/14/2030 (D)	623,000	668,303
4.375%, 03/17/2025 (D)	600,000	662,782
Credit Agricole SA (7.875% to 1-23-24, then 5 Year U.S. Swap Rate + 4.900%) 01/23/2024 (D)(E)	310,000	335,996
Credit Suisse Group AG (7.500% to 12-11-23, then 5 Year U.S. Swap Rate + 4.600%) 12/11/2023 (D)(E)	185,000	198,887
Credit Suisse Group AG (7.500% to 7-17-23, then 5 Year U.S. Swap Rate + 4.600%) 07/17/2023 (D)(E)	410,000	425,953
Credit Suisse Group Funding Guernsey, Ltd.		
4.550%, 04/17/2026	405,000	465,693
Credito Real SAB de CV (9.125% to 11-29-22, then 5 Year CMT + 7.030%) 11/29/2022 (D)(E)(F)	195,000	166,335
Danske Bank A/S		
5.000%, 01/12/2022 (D)	375,000	394,363
Discover Bank		
2.450%, 09/12/2024	411,000	431,040
Discover Financial Services		
3.950%, 11/06/2024	580,000	634,382
4.100%, 02/09/2027	167,000	182,500
Enova International, Inc.		
8.500%, 09/01/2024 to 09/15/2025 (D)	422,000	380,086
Fifth Third Bancorp		
1.625%, 05/05/2023	164,000	168,216
Fifth Third Bancorp (5.100% to 6-30-23, then 3 month LIBOR + 3.030%) 06/30/2023 (E)	352,000	306,240
Freedom Mortgage Corp.		
8.125%, 11/15/2024 (D)	322,000	312,340
8.250%, 04/15/2025 (D)	140,000	138,600
GE Capital International Funding Company		
4.418%, 11/15/2035	677,000	687,322

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Gogo Intermediate Holdings LLC 9.875%, 05/01/2024 (D)	\$ 248,000	\$ 209,560
HSBC Holdings PLC (3.950% to 5-18-23, then 3 month LIBOR + 0.990%) 05/18/2024	680,000	730,800
HSBC Holdings PLC (6.875% to 6-1-21, then 5 Year ICE Swap Rate + 5.510%) 06/01/2021 (E)	395,000	400,783
ING Groep NV 3.550%, 04/09/2024	357,000	388,555
ING Groep NV (6.500% to 4-16-25, then 5 Year U.S. Swap Rate + 4.450%) 04/16/2025 (E)	135,000	137,984
Invesco Finance PLC 3.125%, 11/30/2022	850,000	896,829
Jefferies Financial Group, Inc. 5.500%, 10/18/2023	1,330,000	1,440,675
Jefferies Group LLC 4.150%, 01/23/2030	420,000	455,979
4.850%, 01/15/2027	450,000	495,533
JPMorgan Chase & Co. 2.950%, 10/01/2026	660,000	724,881
3.375%, 05/01/2023	1,250,000	1,337,303
4.125%, 12/15/2026	600,000	698,166
4.500%, 01/24/2022	1,300,000	1,381,288
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	651,000	687,527
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.520%) 05/13/2031	599,000	636,964
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.240%) 01/29/2027	539,000	613,947
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.120%) 02/01/2025 (E)	503,000	448,475
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (E)	560,000	602,000
Ladder Capital Finance Holdings LLLP 5.250%, 03/15/2022 to 10/01/2025 (D)	200,000	178,216
Lazard Group LLC 4.375%, 03/11/2029	295,000	330,119
Legg Mason, Inc. 3.950%, 07/15/2024 (F)	660,000	710,209
4.750%, 03/15/2026	825,000	933,395
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (D)	500,000	525,663
3.951%, 10/15/2050 (D)	486,000	513,313
4.250%, 06/15/2023 (D)	1,000,000	1,085,411
Lloyds Banking Group PLC 4.450%, 05/08/2025	935,000	1,060,316
Lloyds Banking Group PLC (7.500% to 6-27-24, then 5 Year U.S. Swap Rate + 4.760%) 06/27/2024 (E)	345,000	357,869
Loews Corp. 2.625%, 05/15/2023	630,000	666,039
3.750%, 04/01/2026	825,000	925,967
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (E)	250,000	249,218
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (D)	329,000	344,680
4.875%, 06/10/2025 (D)	420,000	464,290

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Markel Corp. 5.000%, 03/30/2043	\$ 1,270,000	\$ 1,499,687
MetLife, Inc. 3.000%, 03/01/2025	300,000	328,969
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.200%) 6.400%, 12/15/2036	402,000	474,493
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 9.250%, 04/08/2038 (D)	120,000	166,464
MGIC Investment Corp. 5.750%, 08/15/2023	161,000	166,233
Morgan Stanley 3.875%, 01/27/2026	361,000	408,365
4.100%, 05/22/2023	900,000	972,710
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	1,099,000	1,142,972
Morgan Stanley (3 month LIBOR + 3.610%) 4.829%, 10/15/2020 (B)(E)	200,000	179,651
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	1,142,128
Nationstar Mortgage Holdings, Inc. 6.000%, 01/15/2027 (D)	99,000	94,050
8.125%, 07/15/2023 (D)	217,000	222,685
9.125%, 07/15/2026 (D)	174,000	183,895
Nationwide Building Society (3.622% to 4-26-22, then 3 month LIBOR + 1.180%) 04/26/2023 (D)	359,000	373,028
Nationwide Mutual Insurance Company (3 month LIBOR + 2.290%) 2.603%, 12/15/2024 (B)(D)	1,130,000	1,125,053
New York Life Insurance Company 3.750%, 05/15/2050 (D)	273,000	307,643
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year ICE Swap Rate + 3.650%) 10/16/2044 (D)	355,000	394,226
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.180%) 09/15/2042	795,000	846,198
Quicken Loans LLC 5.750%, 05/01/2025 (D)	345,000	352,690
Radian Group, Inc. 4.500%, 10/01/2024	190,000	183,350
Raymond James Financial, Inc. 3.625%, 09/15/2026	500,000	555,241
4.650%, 04/01/2030	161,000	192,474
4.950%, 07/15/2046	500,000	604,619
Refinitiv US Holdings, Inc. 6.250%, 05/15/2026 (D)	57,000	60,420
8.250%, 11/15/2026 (D)	92,000	99,633
Regions Financial Corp. 2.250%, 05/18/2025	1,074,000	1,123,479
Santander Holdings USA, Inc. 3.244%, 10/05/2026	880,000	914,250
3.400%, 01/18/2023	360,000	374,732
3.450%, 06/02/2025	744,000	775,459
3.500%, 06/07/2024	745,000	783,637
4.400%, 07/13/2027	203,000	219,961
Santander UK Group Holdings PLC 4.750%, 09/15/2025 (D)	280,000	303,324
Societe Generale SA (7.375% to 9-13-21, then 5 Year U.S. Swap Rate + 6.240%) 09/13/2021 (D)(E)	375,000	378,263
Sompo International Holdings, Ltd. 4.700%, 10/15/2022	1,080,000	1,143,860

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Springleaf Finance Corp. 6.875%, 03/15/2025	\$ 140,000	\$ 143,631
8.875%, 06/01/2025	142,000	151,825
State Street Corp. (2.901% to 3-30-25, then SOFR + 2.600%) 03/30/2026 (D)	1,000,000	1,084,946
Stearns Holdings LLC 5.000%, 11/05/2024 (D)	1,209	725
Stifel Financial Corp. 4.250%, 07/18/2024	1,596,000	1,698,421
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (D)	441,000	523,217
The Bank of New York Mellon Corp. 1.600%, 04/24/2025	417,000	431,884
The Charles Schwab Corp. (7.000% to 2-1-22, then 3 month LIBOR + 4.820%) 02/01/2022 (E)(F)	1,000,000	1,042,200
The Goldman Sachs Group, Inc. 3.500%, 04/01/2025	500,000	548,254
3.625%, 01/22/2023	1,200,000	1,285,260
3.850%, 01/26/2027	962,000	1,085,150
The Hartford Financial Services Group, Inc. 6.625%, 03/30/2040	500,000	715,634
The PNC Financial Services Group, Inc. 2.200%, 11/01/2024	629,000	667,177
3.150%, 05/19/2027	97,000	108,498
3.500%, 01/23/2024	234,000	255,696
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (E)	315,000	301,613
The PNC Financial Services Group, Inc. (6.750% to 8-1-21, then 3 month LIBOR + 3.680%) 08/01/2021 (E)	595,000	590,538
The Royal Bank of Scotland Group PLC 3.875%, 09/12/2023	915,000	986,502
The Royal Bank of Scotland Group PLC (6.000% to 12-29-25, then 5 Year CMT + 5.620%) 12/29/2025 (E)(F)	501,000	507,513
The Royal Bank of Scotland Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.600%) 08/15/2021 (E)	740,000	769,415
The Toronto-Dominion Bank 3.250%, 03/11/2024	479,000	521,647
Trident TPI Holdings, Inc. 6.625%, 11/01/2025 (D)	115,000	109,250
UBS Group AG (6.875% to 3-22-21, then 5 Year U.S. Swap Rate + 5.500%) 03/22/2021 (E)	200,000	202,179
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.340%) 01/31/2024 (D)(E)	323,000	335,516
Voya Financial, Inc. 4.800%, 06/15/2046	700,000	833,679
Voya Financial, Inc. (5.650% to 5-15-23, then 3 month LIBOR + 3.580%) 05/15/2053	565,000	569,238
Wells Fargo & Company 3.450%, 02/13/2023	900,000	956,148
Wells Fargo & Company (2.188% to 4-30-25, then SOFR + 2.000%) 04/30/2026	1,065,000	1,101,175

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	\$ 687,000	\$ 709,690
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	497,000	517,142
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (E)	1,088,000	1,130,835
Willis Towers Watson PLC 5.750%, 03/15/2021	1,350,000	1,393,121
		93,521,681
<b>Health care – 3.1%</b>		
Abbott Laboratories 3.750%, 11/30/2026	680,000	791,162
AbbVie, Inc. 3.200%, 11/21/2029 (D)	1,651,000	1,836,075
4.250%, 11/21/2049 (D)	269,000	322,453
Agilent Technologies, Inc. 3.875%, 07/15/2023	670,000	723,880
AmerisourceBergen Corp. 2.800%, 05/15/2030	457,000	481,296
Anthem, Inc. 2.375%, 01/15/2025	132,000	139,891
Bausch Health Companies, Inc. 5.250%, 01/30/2030 (D)	193,000	183,109
6.125%, 04/15/2025 (D)	425,000	431,065
6.250%, 02/15/2029 (D)	390,000	391,950
Baxter International, Inc. 3.500%, 08/15/2046	500,000	554,752
Biogen, Inc. 2.250%, 05/01/2030	400,000	403,659
3.150%, 05/01/2050	500,000	481,388
Catalent Pharma Solutions, Inc. 5.000%, 07/15/2027 (D)	81,000	84,089
Centene Corp. 3.375%, 02/15/2030	176,000	177,709
4.250%, 12/15/2027	127,000	131,053
4.625%, 12/15/2029	142,000	150,345
5.375%, 06/01/2026 (D)	1,035,000	1,072,943
Charles River Laboratories International, Inc. 4.250%, 05/01/2028 (D)	81,000	80,959
CVS Health Corp. 3.000%, 08/15/2026	108,000	118,084
3.750%, 04/01/2030	398,000	457,656
4.300%, 03/25/2028	484,000	565,841
5.050%, 03/25/2048	516,000	671,196
CVS Pass-Through Trust 8.353%, 07/10/2031 (D)	942,935	1,218,345
DaVita, Inc. 4.625%, 06/01/2030 (D)	367,000	364,982
5.000%, 05/01/2025	480,000	490,800
Encompass Health Corp. 4.500%, 02/01/2028	175,000	167,846
GlaxoSmithKline Capital PLC 3.000%, 06/01/2024	502,000	542,741
HCA, Inc. 4.125%, 06/15/2029	186,000	205,131
5.250%, 04/15/2025 to 06/15/2026	738,000	848,818
5.375%, 02/01/2025	800,000	857,000
Humana, Inc. 3.125%, 08/15/2029	500,000	541,433
MEDNAX, Inc. 5.250%, 12/01/2023 (D)	283,000	281,585

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
MEDNAX, Inc. (continued)		
6.250%, 01/15/2027 (D)	\$ 292,000	\$ 292,000
Mylan NV		
3.950%, 06/15/2026	800,000	894,441
5.250%, 06/15/2046	250,000	309,878
Pfizer, Inc.		
2.625%, 04/01/2030	500,000	550,054
Rede D'or Finance Sarl		
4.500%, 01/22/2030 (D)	323,000	285,048
Select Medical Corp.		
6.250%, 08/15/2026 (D)	299,000	302,274
Shire Acquisitions Investments Ireland DAC		
3.200%, 09/23/2026	1,015,000	1,125,845
Stanford Health Care		
3.310%, 08/15/2030	225,000	251,401
Team Health Holdings, Inc.		
6.375%, 02/01/2025 (D)	89,000	51,620
Teva Pharmaceutical Finance Company LLC		
6.150%, 02/01/2036 (F)	49,000	48,265
UnitedHealth Group, Inc.		
5.800%, 03/15/2036	540,000	763,225
Universal Health Services, Inc.		
4.750%, 08/01/2022 (D)	310,000	310,000
5.000%, 06/01/2026 (D)	288,000	295,114
Upjohn, Inc.		
1.650%, 06/22/2025 (D)	209,000	213,066
2.300%, 06/22/2027 (D)	209,000	215,765
2.700%, 06/22/2030 (D)	209,000	214,729
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	537,636
3.550%, 04/01/2025	550,000	597,979
		23,027,576
<b>Industrials – 5.2%</b>		
3M Company		
3.050%, 04/15/2030	500,000	566,094
3.250%, 02/14/2024	485,000	528,880
AECOM		
5.125%, 03/15/2027	475,000	510,625
AerCap Ireland Capital DAC		
2.875%, 08/14/2024	503,000	471,985
Ahern Rentals, Inc.		
7.375%, 05/15/2023 (D)	324,000	155,520
Air Canada 2013-1 Class A Pass Through Trust		
4.125%, 05/15/2025 (D)	193,196	174,053
Air Canada 2017-1 Class B Pass Through Trust		
3.700%, 01/15/2026 (D)	298,611	226,056
Air Lease Corp.		
3.000%, 09/15/2023	400,000	394,253
3.625%, 12/01/2027	215,000	210,845
Aircastle, Ltd.		
5.500%, 02/15/2022	299,000	301,797
American Airlines 2001-1 Pass Through Trust		
6.977%, 05/23/2021	36,215	30,703
American Airlines 2015-1 Class A Pass Through Trust		
3.375%, 05/01/2027	391,989	327,847
American Airlines 2015-1 Class B Pass Through Trust		
3.700%, 05/01/2023	156,876	104,536

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
American Airlines 2016-1 Class A Pass Through Trust		
4.100%, 01/15/2028	\$ 464,876	\$ 389,088
American Airlines 2017-1 Class A Pass Through Trust		
4.000%, 02/15/2029	161,975	133,508
American Airlines 2017-1 Class AA Pass Through Trust		
3.650%, 02/15/2029	319,688	304,564
American Airlines 2017-2 Class A Pass Through Trust		
3.600%, 10/15/2029	178,351	144,462
American Airlines 2019-1 Class A Pass Through Trust		
3.500%, 02/15/2032	216,613	174,364
American Airlines 2019-1 Class AA Pass Through Trust		
3.150%, 02/15/2032	329,842	303,654
American Airlines Group, Inc.		
3.750%, 03/01/2025 (D)	500,000	232,445
APX Group, Inc.		
7.625%, 09/01/2023 (F)	370,000	340,400
Ashtead Capital, Inc.		
4.375%, 08/15/2027 (D)	285,000	292,940
Avolon Holdings Funding, Ltd.		
5.125%, 10/01/2023 (D)	295,000	272,833
British Airways 2013-1 Class A Pass Through Trust		
4.625%, 06/20/2024 (D)	239,625	222,089
British Airways 2018-1 Class A Pass Through Trust		
4.125%, 09/20/2031 (D)	181,032	149,371
Builders FirstSource, Inc.		
5.000%, 03/01/2030 (D)	46,000	43,240
6.750%, 06/01/2027 (D)	77,000	78,829
Carrier Global Corp.		
2.242%, 02/15/2025 (D)	529,000	542,373
2.493%, 02/15/2027 (D)	224,000	228,149
2.700%, 02/15/2031 (D)	500,000	497,083
Cimpress PLC		
7.000%, 06/15/2026 (D)	390,000	359,775
Clark Equipment Company		
5.875%, 06/01/2025 (D)	46,000	47,035
Clean Harbors, Inc.		
4.875%, 07/15/2027 (D)	65,000	66,788
CNH Industrial Capital LLC		
1.950%, 07/02/2023 (A)	570,000	573,856
Continental Airlines 2007-1 Class A Pass Through Trust		
5.983%, 04/19/2022	130,535	121,677
CoStar Group, Inc.		
2.800%, 07/15/2030 (D)	526,000	538,159
CSX Corp.		
3.800%, 04/15/2050	1,000,000	1,185,742
Delta Air Lines 2002-1 Class G-1 Pass Through Trust		
6.718%, 01/02/2023	115,887	110,689
Delta Air Lines, Inc.		
2.900%, 10/28/2024	662,000	536,892
3.800%, 04/19/2023	411,000	365,842
4.375%, 04/19/2028	445,000	370,878
DuPont de Nemours, Inc.		
2.169%, 05/01/2023	923,000	940,306
Equifax, Inc.		
3.100%, 05/15/2030	800,000	850,394

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Fortive Corp.		
3.150%, 06/15/2026	\$ 700,000	\$ 767,374
GATX Corp.		
3.850%, 03/30/2027	800,000	856,587
General Electric Company		
4.350%, 05/01/2050	539,000	534,172
5.550%, 01/05/2026	594,000	689,527
H&E Equipment Services, Inc.		
5.625%, 09/01/2025	175,000	176,713
Harsco Corp.		
5.750%, 07/31/2027 (D)	110,000	110,275
Hillenbrand, Inc.		
5.750%, 06/15/2025	97,000	100,395
Howmet Aerospace, Inc.		
5.125%, 10/01/2024	342,000	353,588
Huntington Ingalls Industries, Inc.		
3.844%, 05/01/2025 (D)	557,000	604,804
4.200%, 05/01/2030 (D)	1,384,000	1,541,818
5.000%, 11/15/2025 (D)	395,000	408,963
IDEX Corp.		
3.000%, 05/01/2030	1,000,000	1,043,258
IHS Markit, Ltd.		
4.000%, 03/01/2026 (D)	363,000	401,482
4.750%, 02/15/2025 (D)	175,000	196,000
4.750%, 08/01/2028	213,000	249,941
JB Hunt Transport Services, Inc.		
3.850%, 03/15/2024	700,000	745,665
JetBlue 2019-1 Class AA Pass Through Trust		
2.750%, 05/15/2032	364,501	345,505
Kansas City Southern		
2.875%, 11/15/2029	500,000	527,627
Kratos Defense & Security Solutions, Inc.		
6.500%, 11/30/2025 (D)	270,000	280,125
Lennox International, Inc.		
3.000%, 11/15/2023	800,000	825,243
LSC Communications, Inc.		
8.750%, 10/15/2023 (D)(G)	420,000	39,900
Masco Corp.		
4.375%, 04/01/2026	400,000	456,619
Otis Worldwide Corp.		
2.056%, 04/05/2025 (D)	412,000	431,767
Owens Corning		
3.950%, 08/15/2029 (F)	366,000	398,863
Picasso Finance Sub, Inc.		
6.125%, 06/15/2025 (D)	37,000	37,694
Prime Security Services Borrower LLC		
6.250%, 01/15/2028 (D)	218,000	205,334
Southwest Airlines Company		
5.250%, 05/04/2025	400,000	421,952
The Boeing Company		
3.200%, 03/01/2029	692,000	684,448
5.040%, 05/01/2027	523,000	576,675
5.805%, 05/01/2050	948,000	1,118,549
TransDigm, Inc.		
5.500%, 11/15/2027	716,000	625,025
TTX Company		
4.200%, 07/01/2046 (D)	700,000	853,325
Tutor Perini Corp.		
6.875%, 05/01/2025 (D)	115,000	109,538
Tyco Electronics Group SA		
4.875%, 01/15/2021	500,000	511,208
Uber Technologies, Inc.		
7.500%, 05/15/2025 to 09/15/2027 (D)	852,000	854,303

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Union Pacific Corp.		
4.163%, 07/15/2022	\$ 1,137,000	\$ 1,209,939
United Airlines 2014-2 Class A Pass Through Trust		
3.750%, 09/03/2026	448,983	408,595
United Airlines 2014-2 Class B Pass Through Trust		
4.625%, 09/03/2022	165,550	145,547
United Airlines 2016-1 Class A Pass Through Trust		
3.450%, 07/07/2028	352,444	293,107
United Airlines 2016-1 Class B Pass Through Trust		
3.650%, 01/07/2026	517,940	379,637
United Airlines 2018-1 Class B Pass Through Trust		
4.600%, 03/01/2026	140,256	104,229
United Airlines 2019-1 Class A Pass Through Trust		
4.550%, 08/25/2031	302,416	249,840
United Parcel Service, Inc.		
3.900%, 04/01/2025	363,000	412,075
United Rentals North America, Inc.		
3.875%, 11/15/2027	227,000	226,433
4.625%, 10/15/2025	700,000	703,500
4.875%, 01/15/2028	448,000	459,200
US Airways 2010-1 Class A Pass Through Trust		
6.250%, 04/22/2023	79,604	64,478
Verisk Analytics, Inc.		
4.125%, 03/15/2029	400,000	467,260
Westinghouse Air Brake Technologies Corp.		
3.200%, 06/15/2025	500,000	510,435
XPO Logistics, Inc.		
6.250%, 05/01/2025 (D)	40,000	41,900
6.500%, 06/15/2022 (D)	254,000	254,318
		38,435,374
<b>Information technology – 4.1%</b>		
Applied Materials, Inc.		
1.750%, 06/01/2030	254,000	258,312
2.750%, 06/01/2050	294,000	299,732
Autodesk, Inc.		
2.850%, 01/15/2030	204,000	224,570
Broadcom Corp.		
3.125%, 01/15/2025	310,000	331,140
3.875%, 01/15/2027	1,827,000	1,975,101
Broadcom, Inc.		
4.700%, 04/15/2025 (D)	960,000	1,080,843
4.750%, 04/15/2029 (D)	552,000	626,467
5.000%, 04/15/2030 (D)	636,000	730,839
Citrix Systems, Inc.		
3.300%, 03/01/2030	495,000	529,027
CommScope, Inc.		
8.250%, 03/01/2027 (D)	436,000	448,077
Dell International LLC		
4.900%, 10/01/2026 (D)	597,000	657,330
5.300%, 10/01/2029 (D)	1,309,000	1,449,119
5.850%, 07/15/2025 (D)	195,000	224,024
8.350%, 07/15/2046 (D)	433,000	562,403
Fiserv, Inc.		
2.250%, 06/01/2027	400,000	418,203
3.850%, 06/01/2025	614,000	693,160
Gartner, Inc.		
4.500%, 07/01/2028 (D)	83,000	83,971

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Infor, Inc.		
1.750%, 07/15/2025 (D)	\$ 151,000	\$ 151,631
Jabil, Inc.		
3.600%, 01/15/2030	180,000	188,453
KLA Corp.		
4.100%, 03/15/2029	340,000	401,163
Lam Research Corp.		
3.750%, 03/15/2026	370,000	422,962
4.875%, 03/15/2049	359,000	497,605
Marvell Technology Group, Ltd.		
4.875%, 06/22/2028	465,000	559,242
Microchip Technology, Inc.		
4.250%, 09/01/2025 (D)	111,000	111,915
4.333%, 06/01/2023	980,000	1,057,185
Micron Technology, Inc.		
2.497%, 04/24/2023	606,000	629,295
4.185%, 02/15/2027	970,000	1,074,348
4.663%, 02/15/2030	1,000,000	1,165,648
4.975%, 02/06/2026	225,000	258,154
5.327%, 02/06/2029	1,658,000	1,983,258
Microsoft Corp.		
2.525%, 06/01/2050	405,000	419,058
Motorola Solutions, Inc.		
4.600%, 02/23/2028 to 05/23/2029	788,000	898,258
NVIDIA Corp.		
2.850%, 04/01/2030	422,000	469,321
NXP BV		
3.400%, 05/01/2030 (D)	155,000	166,788
3.875%, 06/18/2026 (D)	325,000	363,650
4.625%, 06/01/2023 (D)	710,000	778,761
4.875%, 03/01/2024 (D)	354,000	395,360
Oracle Corp.		
2.950%, 04/01/2030 (F)	918,000	1,022,691
PayPal Holdings, Inc.		
2.300%, 06/01/2030	400,000	415,679
2.850%, 10/01/2029	1,818,000	1,989,382
PTC, Inc.		
4.000%, 02/15/2028 (D)	76,000	75,435
Qorvo, Inc.		
5.500%, 07/15/2026 (F)	150,000	156,000
QUALCOMM, Inc.		
3.450%, 05/20/2025	500,000	557,622
Seagate HDD Cayman		
4.091%, 06/01/2029 (D)	520,000	543,848
4.125%, 01/15/2031 (D)	485,000	508,121
Telefonaktiebolaget LM Ericsson		
4.125%, 05/15/2022	575,000	602,025
Tempo Acquisition LLC		
6.750%, 06/01/2025 (D)	136,000	137,700
VeriSign, Inc.		
4.750%, 07/15/2027	195,000	204,846
5.250%, 04/01/2025	205,000	227,038
Visa, Inc.		
2.050%, 04/15/2030	400,000	419,284
2.700%, 04/15/2040	221,000	236,757
VMware, Inc.		
4.500%, 05/15/2025	439,000	480,307
Western Digital Corp.		
4.750%, 02/15/2026 (F)	386,000	399,510
		<u>30,560,618</u>
<b>Materials – 1.4%</b>		
Anglo American Capital PLC		
4.125%, 09/27/2022 (D)	400,000	417,059
4.750%, 04/10/2027 (D)	215,000	239,258

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Arconic Corp.		
6.000%, 05/15/2025 (D)	\$ 117,000	\$ 120,364
6.125%, 02/15/2028 (D)	53,000	52,987
Ardagh Packaging Finance PLC		
6.000%, 02/15/2025 (D)	190,000	194,513
Bemis Company, Inc.		
3.100%, 09/15/2026	500,000	527,886
Cemex SAB de CV		
6.125%, 05/05/2025 (D)	335,000	325,369
CF Industries, Inc.		
4.950%, 06/01/2043	175,000	188,615
Commercial Metals Company		
5.375%, 07/15/2027	122,000	123,525
Cydsa SAB de CV		
6.250%, 10/04/2027 (D)	350,000	342,916
Eastman Chemical Company		
4.500%, 01/15/2021	68,000	68,452
EI du Pont de Nemours and Company		
1.700%, 07/15/2025	211,000	217,849
First Quantum Minerals, Ltd.		
6.875%, 03/01/2026 (D)	175,000	165,813
7.500%, 04/01/2025 (D)	226,000	216,395
Freepport-McMoRan, Inc.		
5.450%, 03/15/2043	500,000	490,000
Georgia-Pacific LLC		
2.300%, 04/30/2030 (D)	1,094,000	1,139,717
Huntsman International LLC		
4.500%, 05/01/2029	500,000	526,412
Mauser Packaging Solutions Holding Company		
8.500%, 04/15/2024 (D)	54,000	56,498
Methanex Corp.		
4.250%, 12/01/2024	293,000	266,264
5.250%, 12/15/2029	387,000	340,552
5.650%, 12/01/2044	450,000	354,510
Newmont Corp.		
2.800%, 10/01/2029	223,000	235,127
Norbord, Inc.		
6.250%, 04/15/2023 (D)	120,000	126,600
Orbia Advance Corp. SAB de CV		
5.500%, 01/15/2048 (D)	380,000	399,000
Owens-Brockway Glass Container, Inc.		
6.625%, 05/13/2027 (D)	173,000	179,920
Standard Industries, Inc.		
5.000%, 02/15/2027 (D)	73,000	73,913
Steel Dynamics, Inc.		
3.250%, 01/15/2031	75,000	76,221
Syngenta Finance NV		
4.441%, 04/24/2023 (D)	535,000	561,511
5.676%, 04/24/2048 (D)	145,000	146,744
The Mosaic Company		
4.250%, 11/15/2023	600,000	628,979
The Sherwin-Williams Company		
4.200%, 01/15/2022	1,000,000	1,039,435
Vulcan Materials Company		
3.500%, 06/01/2030	323,000	350,753
WR Grace & Company		
4.875%, 06/15/2027 (D)	143,000	144,863
		<u>10,338,020</u>
<b>Real estate – 2.8%</b>		
American Homes 4 Rent LP		
4.250%, 02/15/2028	415,000	443,741
American Tower Corp.		
2.400%, 03/15/2025	312,000	327,975
2.950%, 01/15/2025	341,000	370,728

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
American Tower Corp. (continued)		
3.550%, 07/15/2027	\$ 662,000	\$ 737,792
3.800%, 08/15/2029	280,000	318,166
5.000%, 02/15/2024	670,000	762,846
Columbia Property Trust Operating Partnership LP		
4.150%, 04/01/2025	600,000	633,238
Crown Castle International Corp.		
2.250%, 01/15/2031	624,000	628,504
3.300%, 07/01/2030	532,000	580,842
3.700%, 06/15/2026	500,000	557,646
4.150%, 07/01/2050	508,000	583,907
CubeSmart LP		
4.375%, 02/15/2029	600,000	697,321
CyrusOne LP		
3.450%, 11/15/2029	375,000	390,356
EPR Properties		
4.950%, 04/15/2028	350,000	334,137
Equinix, Inc.		
1.800%, 07/15/2027	156,000	156,161
2.900%, 11/18/2026	1,000,000	1,077,920
3.200%, 11/18/2029	551,000	598,099
5.375%, 05/15/2027	275,000	300,025
ERP Operating LP		
3.375%, 06/01/2025	300,000	329,777
Essex Portfolio LP		
3.625%, 05/01/2027	500,000	554,851
GLP Capital LP		
5.375%, 04/15/2026	382,000	417,480
Healthcare Trust of America Holdings LP		
3.500%, 08/01/2026	500,000	540,194
3.750%, 07/01/2027	600,000	633,005
Healthpeak Properties, Inc.		
3.875%, 08/15/2024	800,000	879,319
Mid-America Apartments LP		
3.950%, 03/15/2029	700,000	807,114
National Retail Properties, Inc.		
3.300%, 04/15/2023	660,000	687,306
Piedmont Operating Partnership LP		
4.450%, 03/15/2024	500,000	512,374
SBA Communications Corp.		
3.875%, 02/15/2027 (D)	408,000	405,960
4.875%, 09/01/2024	700,000	717,563
SBA Tower Trust		
2.836%, 01/15/2025 (D)	477,000	491,793
3.722%, 04/11/2023 (D)	543,000	563,478
SL Green Operating Partnership LP		
3.250%, 10/15/2022	500,000	497,907
The GEO Group, Inc.		
6.000%, 04/15/2026	96,000	73,680
Ventas Realty LP		
3.500%, 02/01/2025	343,000	354,018
4.750%, 11/15/2030	1,000,000	1,123,368
VICI Properties LP		
4.625%, 12/01/2029 (D)	55,000	53,625
Weingarten Realty Investors		
3.375%, 10/15/2022	1,050,000	1,071,648
Welltower, Inc.		
2.700%, 02/15/2027	400,000	415,619
		20,629,483
<b>Utilities – 2.0%</b>		
ABY Transmission Sur SA		
6.875%, 04/30/2043 (D)	214,456	276,112

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Ameren Corp.		
3.500%, 01/15/2031	\$ 1,000,000	\$ 1,117,846
AmeriGas Partners LP		
5.500%, 05/20/2025	275,000	283,250
Arizona Public Service Company		
5.500%, 09/01/2035	1,118,000	1,425,075
CenterPoint Energy Houston Electric LLC		
6.950%, 03/15/2033	535,000	792,076
Consolidated Edison Company of New York, Inc.		
3.350%, 04/01/2030	500,000	568,995
3.950%, 04/01/2050	500,000	595,000
Dominion Energy, Inc.		
3.375%, 04/01/2030	727,000	804,230
3.600%, 03/15/2027	500,000	553,081
DPL, Inc.		
4.125%, 07/01/2025 (D)	216,000	216,060
Edison International		
3.550%, 11/15/2024	700,000	739,120
Emera US Finance LP		
3.550%, 06/15/2026	248,000	278,302
Empresa Electrica Angamos SA		
4.875%, 05/25/2029 (D)	156,500	163,230
FirstEnergy Corp.		
2.650%, 03/01/2030	254,000	265,055
Greenko Dutch BV		
4.875%, 07/24/2022 (D)	215,000	212,313
5.250%, 07/24/2024 (D)	145,000	143,246
Instituto Costarricense de Electricidad		
6.375%, 05/15/2043 (D)	210,000	155,402
Israel Electric Corp., Ltd.		
6.875%, 06/21/2023 (D)	170,000	194,461
NextEra Energy Capital Holdings, Inc.		
3.550%, 05/01/2027	677,000	767,478
NextEra Energy Operating Partners LP		
3.875%, 10/15/2026 (D)	323,000	322,532
4.500%, 09/15/2027 (D)	245,000	256,106
NiSource, Inc.		
3.600%, 05/01/2030	208,000	237,658
NRG Energy, Inc.		
3.750%, 06/15/2024 (D)	270,000	285,043
Oncor Electric Delivery Company LLC		
4.100%, 06/01/2022	750,000	792,150
PPL Capital Funding, Inc.		
3.400%, 06/01/2023	1,160,000	1,228,217
Southern California Edison Company		
3.700%, 08/01/2025	1,000,000	1,106,224
Vistra Operations Company LLC		
3.700%, 01/30/2027 (D)	554,000	570,432
4.300%, 07/15/2029 (D)	520,000	546,588
		14,895,282
<b>TOTAL CORPORATE BONDS</b>		
(Cost \$322,382,762)		\$ 344,602,508
<b>CONVERTIBLE BONDS – 0.1%</b>		
<b>Energy – 0.1%</b>		
Cheniere Energy, Inc. (4.875% Cash or 4.875% PIK) 4.875%, 05/28/2021 (D)	526,000	531,102
<b>TOTAL CONVERTIBLE BONDS</b>		
(Cost \$536,512)		\$ 531,102

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CAPITAL PREFERRED SECURITIES – 0.2%</b>		
<b>Financials – 0.2%</b>		
Truist Bank (Greater of 3 month LIBOR + 0.645% or 4.000%) 4.000%, 12/15/2024 (B)(E)	\$ 425,000	\$ 359,140
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 08/03/2020 (B)(E)	1,045,000	863,170
		1,222,310
<b>TOTAL CAPITAL PREFERRED SECURITIES</b> (Cost \$1,388,350)		\$ 1,222,310
<b>MUNICIPAL BONDS – 0.5%</b>		
Foothill-Eastern Transportation Corridor Agency (California) 4.094%, 01/15/2049	1,000,000	1,026,800
New Jersey Transportation Trust Fund Authority 4.081%, 06/15/2039	393,000	369,129
	40,000	37,256
Sales Tax Securitization Corp. (Illinois) 4.637%, 01/01/2040	465,000	531,156
State of Connecticut 2.677%, 07/01/2030	250,000	265,670
The School District of Philadelphia (Pennsylvania) 5.995%, 09/01/2030	315,000	406,038
	1,010,000	1,279,428
<b>TOTAL MUNICIPAL BONDS</b> (Cost \$3,806,167)		\$ 3,915,477
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 8.1%</b>		
<b>Commercial and residential – 6.2%</b>		
Americold LLC		
Series 2010-ARTA, Class C, 6.811%, 01/14/2029 (D)	1,350,000	1,352,361
Series 2010-ARTA, Class D, 7.443%, 01/14/2029 (D)	1,789,000	1,792,474
AOA Mortgage Trust		
Series 2015-1177, Class C 3.110%, 12/13/2029 (D)(I)	120,000	120,293
Arbor Multifamily Mortgage Securities Trust		
Series 2020-MF1, Class XA IO 1.087%, 05/15/2053 (D)	4,349,826	314,679
Arroyo Mortgage Trust		
Series 2018-1, Class A1, 3.763%, 04/25/2048 (D)(I)	480,594	493,404
Series 2019-2, Class A1, 3.347%, 04/25/2049 (D)(I)	434,055	444,271
Series 2019-3, Class A1, 2.962%, 10/25/2048 (D)(I)	269,087	274,940
BAMLL Commercial Mortgage Securities Trust		
Series 2019-BPR, Class ENM 3.843%, 11/05/2032 (D)(I)	231,000	145,739
BAMLL Re-REMIC Trust		
Series 2014-FRR4, Class BK23 9.718%, 09/27/2022 (D)(J)	500,000	404,890
BANK		
Series 2019-BN20, Class ASB 2.933%, 09/15/2062	400,000	436,288
Barclays Commercial Mortgage Trust		
Series 2019-C5, Class A2 3.043%, 11/15/2052	312,000	331,207

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Bayview Commercial Asset Trust		
Series 2005-1A, Class A2 (1 month LIBOR + 0.525%), 0.710%, 04/25/2035 (B)(D)	\$ 255,911	\$ 237,700
Series 2005-4A, Class A2 (1 month LIBOR + 0.390%), 0.575%, 01/25/2036 (B)(D)	150,440	141,239
Series 2006-2A, Class A2 (1 month LIBOR + 0.280%), 0.465%, 07/25/2036 (B)(D)	220,823	198,374
BBCMS Mortgage Trust		
Series 2018-TALL, Class E (1 month LIBOR + 2.437%), 2.622%, 03/15/2037 (B)(D)	223,000	189,962
Series 2020-C6, Class A2, 2.690%, 02/15/2053	206,000	215,942
BBCMS Trust		
Series 2015-MSQ, Class D, 4.123%, 09/15/2032 (D)(I)	140,000	137,725
Series 2015-SRCH, Class D, 5.122%, 08/10/2035 (D)(I)	329,000	345,483
Bear Stearns Asset Backed Securities Trust		
Series 2003-AC4, Class A 5.500%, 09/25/2033	429,049	439,342
Benchmark Mortgage Trust		
Series 2019-B10, Class A2, 3.614%, 03/15/2062	410,000	442,245
Series 2019-B11, Class A2, 3.410%, 05/15/2052	315,000	337,856
Series 2019-B12, Class A2, 3.001%, 08/15/2052	410,000	434,840
Series 2019-B13, Class A2, 2.889%, 08/15/2057	418,000	441,172
Series 2019-B14, Class A2, 2.915%, 12/15/2062	426,000	451,684
Series 2019-B15, Class XA IO, 0.948%, 12/15/2072	9,978,337	600,132
BRAVO Residential Funding Trust		
Series 2019-NQM1, Class A1 2.666%, 07/25/2059 (D)(I)	195,540	199,075
BWAY Mortgage Trust		
Series 2015-1740, Class XA IO 1.023%, 01/10/2035 (D)	3,705,000	51,521
BX Commercial Mortgage Trust		
Series 2018-BIOA, Class D (1 month LIBOR + 1.321%) 1.506%, 03/15/2037 (B)(D)	260,000	248,054
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class D (1 month LIBOR + 1.750%) 1.935%, 12/15/2037 (B)(D)	121,000	116,757
CD Mortgage Trust		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	800,000	891,049
CGDBB Commercial Mortgage Trust		
Series 2017-BIOC, Class E (1 month LIBOR + 2.150%) 2.335%, 07/15/2032 (B)(D)	232,040	226,446
CHL Mortgage Pass Through Trust		
Series 2004-HYB2, Class 4A 3.866%, 07/20/2034 (I)	510,835	487,454

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Citigroup Commercial Mortgage Trust		
Series 2018-C5, Class A3, 3.963%, 06/10/2051	\$ 600,000	\$ 689,499
Series 2018-C5, Class XA IO, 0.755%, 06/10/2051	17,398,181	705,296
Series 2019-C7, Class XA IO, 1.007%, 12/15/2072	15,972,391	1,001,070
Series 2019-PRM, Class A, 3.341%, 05/10/2036 (D)	170,000	176,066
Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (D)	158,000	169,991
COLT Mortgage Loan Trust		
Series 2019-2, Class A1, 3.337%, 05/25/2049 (D)(I)	162,613	164,547
Series 2020-1, Class A1, 2.488%, 02/25/2050 (D)(I)	204,493	206,711
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	1,487,563
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2012-CR2, Class XA IO, 1.790%, 08/15/2045	9,241,202	243,018
Series 2012-CR3, Class XA IO, 2.011%, 10/15/2045	9,162,727	294,481
Series 2013-CR8, Class A5, 3.612%, 06/10/2046 (I)	330,000	349,999
Series 2013-CR8, Class AM, 3.946%, 06/10/2046 (D)(I)	1,000,000	1,052,930
Series 2014-CR15, Class C, 4.894%, 02/10/2047 (I)	800,000	821,088
Series 2014-CR15, Class XA IO, 1.085%, 02/10/2047	9,074,309	236,076
Series 2014-CR16, Class C, 5.092%, 04/10/2047 (I)	400,000	377,620
Series 2014-CR20, Class A3, 3.326%, 11/10/2047	780,000	827,199
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	1,101,248
Commercial Mortgage Trust (Citigroup/Deutsche Bank AG)		
Series 2018-COR3, Class XA IO 0.585%, 05/10/2051	5,038,163	150,711
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2012-LC4, Class XA IO, 2.284%, 12/10/2044 (D)	4,033,275	92,065
Series 2013-300P, Class D, 4.540%, 08/10/2030 (D)(I)	377,000	382,133
Series 2013-300P, Class E, 4.540%, 08/10/2030 (D)(I)	700,000	629,336
Series 2014-LC15, Class C, 5.150%, 04/10/2047 (I)	400,000	381,345
Series 2017-PANW, Class A, 3.244%, 10/10/2029 (D)	159,000	163,664
Series 2020-CBM, Class A2, 2.896%, 02/10/2037 (D)	124,000	121,616
Commercial Mortgage Trust (Deutsche Bank AG/UBS AG)		
Series 2014-UBS2, Class XA IO 1.330%, 03/10/2047	4,214,426	141,460

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Credit Suisse First Boston Mortgage Securities Corp.		
Series 2005-C1, Class AX IO 1.050%, 02/15/2038 (D)	\$ 131,976	\$ 3
Credit Suisse Mortgage Capital Certificates		
Series 2019-ICE4, Class D (1 month LIBOR + 1.600%) 1.785%, 05/15/2036 (B)(D)	460,000	445,631
CSAIL Commercial Mortgage Trust		
Series 2019-C17, Class A4 2.763%, 09/15/2052	425,000	454,685
CSMC Trust		
Series 2019-AFC1, Class A1, 2.573%, 07/25/2049 (D)	460,431	469,913
Series 2020-AFC1, Class A1, 2.240%, 02/25/2050 (D)(I)	284,296	288,667
DSL A Mortgage Loan Trust		
Series 2004-AR3, Class 2A2B (1 month LIBOR + 0.900%) 1.094%, 07/19/2044 (B)	479,706	429,460
FREMF Mortgage Trust		
Series 2011-K10, Class B, 4.735%, 11/25/2049 (D)(I)	1,000,000	1,004,221
Series 2011-K11, Class B, 4.567%, 12/25/2048 (D)(I)	875,000	883,145
Series 2017-K67, Class B, 4.079%, 09/25/2049 (D)(I)	445,000	478,197
GCAT LLC		
Series 2019-NQM1, Class A1 2.985%, 02/25/2059 (D)	472,161	491,880
GCAT Trust		
Series 2020-NQM1, Class A1 2.247%, 01/25/2060 (D)	484,732	488,970
GE Commercial Mortgage Corp. Trust		
Series 2007-C1, Class AM 5.606%, 12/10/2049 (I)	100,462	82,980
GS Mortgage Securities Trust		
Series 2005-GG4, Class XC IO, 1.834%, 07/10/2039 (D)	356,737	121
Series 2013-GC10, Class C, 4.285%, 02/10/2046 (D)(I)	859,800	850,783
Series 2015-590M, Class C, 3.932%, 10/10/2035 (D)(I)	150,000	147,063
Series 2015-GC30, Class A3, 3.119%, 05/10/2050	419,230	447,499
Series 2015-GC34, Class A4, 3.506%, 10/10/2048	205,000	223,933
Series 2016-RENT, Class D, 4.202%, 02/10/2029 (D)(I)	249,000	245,828
Series 2017-485L, Class C, 4.115%, 02/10/2037 (D)(I)	155,000	150,504
Series 2019-GC39, Class A2, 3.457%, 05/10/2052	474,000	506,765
Series 2019-GC40, Class A2, 2.971%, 07/10/2052	380,000	403,591
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (D)	256,000	255,433
HarborView Mortgage Loan Trust		
Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (D)	12,010,890	181,596
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	12,976,486	168,127

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
HarborView Mortgage		
Loan Trust (continued)		
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (D)	\$ 11,555,438	\$ 155,727
Hilton Orlando Trust		
Series 2018-ORL, Class B (1 month LIBOR + 1.050%)		
1.235%, 12/15/2034 (B)(D)	1,000,000	944,928
IMT Trust		
Series 2017-APTS, Class AFX, 3.478%, 06/15/2034 (D)	172,000	182,054
Series 2017-APTS, Class CFX, 3.613%, 06/15/2034 (D)(I)	123,000	116,711
Irvine Core Office Trust		
Series 2013-IRV, Class A2, 3.279%, 05/15/2048 (D)(I)	325,000	336,607
Series 2013-IRV, Class XA IO, 1.211%, 05/15/2048 (D)	7,316,613	114,506
JPMBB Commercial Mortgage Securities Trust		
Series 2013-C14, Class XA IO, 0.723%, 08/15/2046	6,198,355	86,871
Series 2015-C31, Class A3, 3.801%, 08/15/2048	315,000	347,420
Series 2016-C1, Class A4, 3.311%, 03/15/2049	155,000	169,021
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2006-LDP8, Class X IO, 0.289%, 05/15/2045	530,812	4
Series 2011-C3, Class XA IO, 1.136%, 02/15/2046 (D)	8,841,978	23,567
Series 2011-C4, Class XA IO, 1.327%, 07/15/2046 (D)	2,150,288	13,467
Series 2012-HSBC, Class XA IO, 1.582%, 07/05/2032 (D)	10,043,217	248,826
Series 2015-JP1, Class A4, 3.650%, 01/15/2049	685,000	755,300
Series 2015-JP1, Class A5, 3.914%, 01/15/2049	165,000	184,038
Series 2020-NNN, Class AFX, 2.812%, 01/16/2037 (D)	258,000	262,159
KNDL Mortgage Trust		
Series 2019-KNSQ, Class D (1 month LIBOR + 1.350%)		
1.535%, 05/15/2036 (B)(D)	185,000	178,282
MASTR Adjustable Rate Mortgages Trust		
Series 2004-13, Class 2A1, 4.331%, 04/21/2034 (I)	107,381	105,556
Series 2004-8, Class 5A1, 4.380%, 08/25/2034 (I)	135,079	137,252
MASTR Alternative Loan Trust		
Series 2004-4, Class 8A1 6.500%, 05/25/2034	240,925	252,612
Merrill Lynch Mortgage Investors Trust		
Series 2005-A, Class A1 (1 month LIBOR + 0.460%)		
0.645%, 03/25/2030 (B)	21,890	20,764
Merrill Lynch Mortgage Trust		
Series 2008-C1, Class X IO 0.000%, 02/12/2051 (D)	4,884,142	49

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2012-C5, Class XA IO, 1.579%, 08/15/2045 (D)	\$ 9,700,212	\$ 215,236
Series 2012-C6, Class XA IO, 1.763%, 11/15/2045 (D)	5,900,184	159,579
Series 2013-C7, Class XA IO, 1.474%, 02/15/2046	10,602,309	293,856
Series 2014-C17, Class XA IO, 1.265%, 08/15/2047	12,014,004	380,249
Morgan Stanley Capital I Trust		
Series 2011-C3, Class XA IO, 0.714%, 07/15/2049 (D)	6,613,079	27,964
Series 2017-CLS, Class D (1 month LIBOR + 1.400%), 1.585%, 11/15/2034 (B)(D)	298,000	288,648
Series 2019-L3, Class XA IO, 0.766%, 11/15/2052	21,480,722	1,016,010
MSCG Trust		
Series 2016-SNR, Class D 6.550%, 11/15/2034 (D)	186,150	182,705
Natixis Commercial Mortgage Securities Trust		
Series 2018-285M, Class D, 3.917%, 11/15/2032 (D)(I)	135,000	132,755
Series 2018-ALXA, Class C, 4.460%, 01/15/2043 (D)(I)	168,000	169,095
One Market Plaza Trust		
Series 2017-1MKT, Class D 4.146%, 02/10/2032 (D)	90,000	90,079
Seasoned Credit Risk Transfer Trust		
Series 2019-2, Class MA 3.500%, 08/25/2058	459,756	501,011
Sequoia Mortgage Trust		
Series 2005-3, Class A1 (1 month LIBOR + 0.200%)		
0.390%, 05/20/2035 (B)	62,282	59,251
Starwood Mortgage Residential Trust		
Series 2018-IMC1, Class A1, 3.793%, 03/25/2048 (D)(I)	103,230	104,590
Series 2020-1, Class A1, 2.275%, 02/25/2050 (D)(I)	234,088	236,054
Structured Asset Securities Corp.		
Series 1998-RF2, Class A 4.739%, 07/15/2027 (D)(I)	50,203	48,994
UBS-Barclays Commercial Mortgage Trust		
Series 2012-C2, Class XA IO 1.456%, 05/10/2063 (D)	5,975,461	129,063
Velocity Commercial Capital Loan Trust		
Series 2018-2, Class M1 4.260%, 10/26/2048 (D)(I)	395,720	403,134
WaMu Mortgage Pass Through Certificates		
Series 2005-AR2, Class 2A1B (1 month LIBOR + 0.370%), 0.555%, 01/25/2045 (B)	522,460	493,276
Series 2005-AR8, Class 2AB2 (1 month LIBOR + 0.840%), 1.025%, 07/25/2045 (B)	417,026	377,821
Series 2005-AR8, Class 2AB3 (1 month LIBOR + 0.720%), 0.905%, 07/25/2045 (B)	333,124	301,387

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Washington Mutual Mortgage Pass Through Certificates		
Series 2005-1, Class 6A1		
6.500%, 03/25/2035	\$ 240,552	\$ 241,299
Wells Fargo Commercial Mortgage Trust		
Series 2017-SMP, Class D (1 month LIBOR + 1.650%),		
1.835%, 12/15/2034 (B)(D)	505,000	406,792
Series 2019-C54, Class A3,		
2.892%, 12/15/2052	500,000	545,545
WF-RBS Commercial Mortgage Trust		
Series 2011-C3, Class XA IO,		
1.477%, 03/15/2044 (D)	11,877,585	82,787
Series 2012-C10, Class XA IO,		
1.679%, 12/15/2045 (D)	5,885,726	182,506
Series 2012-C9, Class XA IO,		
2.048%, 11/15/2045 (D)	6,965,393	233,922
		<u>45,949,654</u>
<b>U.S. Government Agency – 1.9%</b>		
Federal Home Loan Mortgage Corp.		
Series 2015-DN1, Class M3 (1 month LIBOR + 4.150%),		
4.335%, 01/25/2025 (B)	109,177	110,809
Series 2015-HQ1, Class M3 (1 month LIBOR + 3.800%),		
3.985%, 03/25/2025 (B)	103,074	104,520
Series 290, Class IO,		
3.500%, 11/15/2032	1,521,906	173,464
Series 3387, Class SB IO,		
6.235%, 11/15/2037	1,193,825	229,996
Series 3632, Class AP,		
3.000%, 02/15/2040	936,577	993,803
Series K011, Class X1 IO,		
0.323%, 11/25/2020	44,666,055	4,726
Series K014, Class X1 IO,		
1.324%, 04/25/2021	8,769,145	53,476
Series K015, Class X1 IO,		
1.739%, 07/25/2021	8,537,689	89,443
Series K018, Class X1 IO,		
1.445%, 01/25/2022	3,067,429	44,721
Series K021, Class A2,		
2.396%, 06/25/2022	1,000,000	1,029,802
Series K021, Class X1 IO,		
1.548%, 06/25/2022	11,580,657	255,074
Series K022, Class X1 IO,		
1.317%, 07/25/2022	2,447,073	47,409
Series K026, Class X1 IO,		
1.091%, 11/25/2022	10,046,804	185,889
Series K040, Class A2,		
3.241%, 09/25/2024	370,000	407,167
Series KAIIV, Class X1 IO,		
1.225%, 06/25/2021	28,624,670	153,952
Series KIR3, Class A1,		
3.038%, 08/25/2027	695,000	763,520
Series KS01, Class X1 IO,		
1.336%, 01/25/2023	5,255,656	115,792
Series T-41, Class 3A,		
5.292%, 07/25/2032 (I)	53,494	60,647
Federal National Mortgage Association		
Series 2001-50, Class BA,		
7.000%, 10/25/2041	7,409	8,565
Series 2002-W3, Class A5,		
7.500%, 11/25/2041	60,000	73,434

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2010-15, Class KA,		
4.000%, 03/25/2039	\$ 134,609	\$ 137,540
Series 2011-41, Class KA,		
4.000%, 01/25/2041	238,081	251,178
Series 2011-86, Class NA,		
4.000%, 01/25/2041	344,299	355,093
Series 2012-137, Class WI IO,		
3.500%, 12/25/2032	1,569,960	185,839
Series 2012-21, Class PA,		
2.000%, 03/25/2041	2,128,175	2,187,880
Series 2012-38, Class PA,		
2.000%, 09/25/2041	751,501	770,665
Series 2012-M5, Class X IO,		
0.636%, 02/25/2022	8,874,806	52,646
Series 2015-C01, Class 1M2 (1 month LIBOR + 4.300%),		
4.485%, 02/25/2025 (B)	219,067	220,835
Series 2015-C02, Class 2M2 (1 month LIBOR + 4.000%),		
4.185%, 05/25/2025 (B)	44,543	44,974
Series 2015-C03, Class 2M2 (1 month LIBOR + 5.000%),		
5.185%, 07/25/2025 (B)	190,076	194,129
Series 2018-C02, Class 2M2 (1 month LIBOR + 2.200%),		
2.385%, 08/25/2030 (B)	77,880	76,126
Series 2018-C05, Class 1M2 (1 month LIBOR + 2.350%),		
2.535%, 01/25/2031 (B)	45,822	44,801
Series 2020-M17, Class X1 IO,		
1.557%, 01/25/2028	4,992,432	402,943
Series 2020-R02, Class 2M2 (1 month LIBOR + 2.000%),		
2.185%, 01/25/2040 (B)(D)	500,000	473,351
Government National		
Mortgage Association		
Series 2008-90, Class IO,		
1.943%, 12/16/2050	2,354,742	567,566
Series 2010-147, Class SA IO,		
5.980%, 05/20/2040	1,270,711	117,266
Series 2010-85, Class SB IO,		
6.405%, 03/16/2040	1,365,906	238,460
Series 2012-114, Class IO,		
0.772%, 01/16/2053	647,674	23,751
Series 2012-120, Class IO,		
0.767%, 02/16/2053	7,197,533	288,206
Series 2012-70, Class IO,		
0.359%, 08/16/2052	4,244,081	37,070
Series 2015-41, Class IO,		
0.557%, 09/16/2056	8,069,834	285,960
Series 2016-174, Class IO,		
0.863%, 11/16/2056	833,564	53,498
Series 2017-109, Class IO,		
0.599%, 04/16/2057	1,927,148	91,432
Series 2017-124, Class IO,		
0.668%, 01/16/2059	2,233,743	118,904
Series 2017-135, Class IO,		
0.857%, 10/16/2058	1,543,468	95,087
Series 2017-140, Class IO,		
0.618%, 02/16/2059	1,103,673	60,206
Series 2017-159, Class IO,		
0.538%, 06/16/2059	1,809,354	83,365

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association (continued)		
Series 2017-169, Class IO, 0.727%, 01/16/2060	\$ 3,798,706	\$ 226,909
Series 2017-20, Class IO, 0.732%, 12/16/2058	3,976,653	206,380
Series 2017-22, Class IO, 0.942%, 12/16/2057	527,051	34,012
Series 2017-41, Class IO, 0.760%, 07/16/2058	1,759,953	98,224
Series 2017-46, Class IO, 0.616%, 11/16/2057	1,591,506	78,026
Series 2017-61, Class IO, 0.763%, 05/16/2059	858,678	52,852
Series 2018-158, Class IO, 0.691%, 05/16/2061	2,503,354	171,570
Series 2018-35, Class IO, 0.528%, 03/16/2060	2,784,034	140,573
Series 2018-43, Class IO, 0.577%, 05/16/2060	4,226,892	216,589
Series 2018-69, Class IO, 0.574%, 04/16/2060	2,538,515	140,665
Series 2018-81, Class IO, 0.453%, 01/16/2060	599,991	29,347
Series 2018-9, Class IO, 0.557%, 01/16/2060	2,993,939	160,281
Series 2019-131, Class IO, 0.931%, 07/16/2061	2,309,235	170,119
		14,090,527
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$62,241,494)	<b>\$</b>	<b>60,040,181</b>
<b>ASSET BACKED SECURITIES – 6.5%</b>		
Aegis Asset Backed Securities Trust		
Series 2004-3, Class M1 (1 month LIBOR + 0.900%) 1.085%, 09/25/2034 (B)	853,311	841,993
Ameriquest Mortgage Securities, Inc.		
Series 2005-R10, Class M1 (1 month LIBOR + 0.410%) 0.595%, 01/25/2036 (B)	35,900	35,871
Amresco Residential Securities Corp.		
Mortgage Loan Trust		
Series 1998-1, Class A6 6.503%, 08/25/2027 (I)	34	35
Applebee's Funding LLC		
Series 2019-1A, Class A2I 4.194%, 06/07/2049 (D)	575,000	509,640
Series 2019-1A, Class A2II 4.723%, 06/07/2049 (D)	500,000	430,195
Arby's Funding LLC		
Series 2015-1A, Class A2 4.969%, 10/30/2045 (D)	391,550	398,970
ARL First LLC		
Series 2012-1A, Class A2 3.810%, 12/15/2042 (D)	900,000	931,482
Avis Budget Rental Car Funding		
AESOP LLC		
Series 2019-3A, Class A 2.360%, 03/20/2026 (D)	439,000	432,853
Series 2020-1A, Class A 2.330%, 08/20/2026 (D)	333,000	322,059

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
BRE Grand Islander Timeshare		
Issuer LLC		
Series 2019-A, Class A 3.280%, 09/26/2033 (D)	\$ 234,685	\$ 233,578
Business Loan Express SBA Loan Trust		
Series 2005-1A, Class A (1 month LIBOR + 0.300%) 0.485%, 06/27/2033 (B)(D)	228,351	208,824
Capital One Multi-Asset Execution Trust		
Series 2015-A8, Class A8 2.050%, 08/15/2023	3,500,000	3,516,844
Series 2016-A7, Class A7 (1 month LIBOR + 0.510%) 0.695%, 09/16/2024 (B)	3,123,000	3,136,403
CARS-DB4 LP		
Series 2020-1A, Class A4 3.190%, 02/15/2050 (D)	1,000,000	972,899
Series 2020-1A, Class B1 4.170%, 02/15/2050 (D)	331,000	309,216
Centex Home Equity Loan Trust		
Series 2005-A, Class M4 (1 month LIBOR + 1.200%) 1.385%, 01/25/2035 (B)	156,736	141,228
Chase Issuance Trust		
Series 2016-A3, Class A3 (1 month LIBOR + 0.550%) 0.735%, 06/15/2023 (B)	4,500,000	4,516,243
Citibank Credit Card Issuance Trust		
Series 2017-A6, Class A6 (1 month LIBOR + 0.770%) 0.955%, 05/14/2029 (B)	565,000	566,202
Series 2017-A7, Class A7 (1 month LIBOR + 0.370%) 0.545%, 08/08/2024 (B)	3,000,000	3,009,891
CLI Funding LLC		
Series 2018-1A, Class A 4.030%, 04/18/2043 (D)	362,210	366,939
Coinstar Funding LLC		
Series 2017-1A, Class A2 5.216%, 04/25/2047 (D)	334,650	320,125
Conseco Finance Corp.		
Series 1996-10, Class M1 7.240%, 11/15/2028 (I)	140,725	146,277
ContiMortgage Home Equity Loan Trust		
Series 1995-2, Class A5 8.100%, 08/15/2025	6,089	4,934
Corevest American Finance Trust		
Series 2019-3, Class A 2.705%, 10/15/2052 (D)	103,128	105,791
Credit-Based Asset Servicing & Securitization LLC		
Series 2006-MH1, Class B1 6.250%, 10/25/2036 (D)	2,560,000	2,658,018
Cronos Containers Program I, Ltd.		
Series 2013-1A, Class A 3.080%, 04/18/2028 (D)	510,000	507,284
CWABS Asset-Backed Certificates Trust		
Series 2004-10, Class AF5B 4.495%, 02/25/2035	40,107	40,149
DB Master Finance LLC		
Series 2017-1A, Class A2I 3.629%, 11/20/2047 (D)	210,163	217,005
Series 2017-1A, Class A2II 4.030%, 11/20/2047 (D)	161,288	170,671
Series 2019-1A, Class A2I 3.787%, 05/20/2049 (D)	972,650	1,003,765

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Domino's Pizza Master Issuer LLC		
Series 2017-1A, Class A23 4.118%, 07/25/2047 (D)	\$ 604,500	\$ 651,953
Series 2017-1A, Class A2II 3.082%, 07/25/2047 (D)	975,000	995,846
Driven Brands Funding LLC		
Series 2015-1A, Class A2 5.216%, 07/20/2045 (D)	553,900	575,170
Five Guys Funding LLC		
Series 2017-1A, Class A2 4.600%, 07/25/2047 (D)	672,915	676,732
FOCUS Brands Funding LLC		
Series 2017-1A, Class A2I 3.857%, 04/30/2047 (D)	194,000	183,107
Ford Credit Auto Owner Trust		
Series 2020-1, Class A 2.040%, 08/15/2031 (D)	516,000	524,319
Ford Credit Floorplan Master Owner Trust		
Series 2019-2, Class A 3.060%, 04/15/2026	623,000	651,735
GMF Floorplan Owner Revolving Trust		
Series 2019-2, Class A 2.900%, 04/15/2026 (D)	580,000	604,379
Golden Credit Card Trust		
Series 2018-4A, Class A 3.440%, 10/15/2025 (D)	480,000	516,142
GSRPM Mortgage Loan Trust		
Series 2006-1, Class A1 (1 month LIBOR + 0.300%) 0.485%, 03/25/2035 (B)(D)	45,528	45,345
Hilton Grand Vacations Trust		
Series 2017-AA, Class A 2.660%, 12/26/2028 (D)	287,459	283,685
Series 2018-AA, Class A 3.540%, 02/25/2032 (D)	113,901	116,031
InSite Issuer LLC		
Series 2016-1A, Class A 2.883%, 11/15/2046 (D)	750,000	760,934
Series 2016-1A, Class B 4.557%, 11/15/2046 (D)	500,000	514,901
Jack in the Box Funding LLC		
Series 2019-1A, Class A23 4.970%, 08/25/2049 (D)	228,850	234,207
Series 2019-1A, Class A2I 3.982%, 08/25/2049 (D)	228,850	235,823
Laurel Road Prime Student Loan Trust		
Series 2019-A, Class A2FX 2.730%, 10/25/2048 (D)	140,000	144,215
Long Beach Mortgage Loan Trust		
Series 2004-1, Class M3 (1 month LIBOR + 1.050%) 1.235%, 02/25/2034 (B)	39,588	39,485
MeTel Land Funding LLC		
Series 2019-1A, Class A 3.768%, 04/15/2049 (D)	256,423	262,951
Mill City Mortgage Loan Trust		
Series 2018-3, Class A1 3.500%, 08/25/2058 (D)(I)	137,235	144,944
MVW Owner Trust		
Series 2015-1A, Class A 2.520%, 12/20/2032 (D)	29,239	28,983
Series 2018-1A, Class A 3.450%, 01/21/2036 (D)	244,560	249,949
Navient Private Education Loan Trust		
Series 2016-AA, Class A2A 3.910%, 12/15/2045 (D)	147,358	153,948

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Navient Private Education Refi Loan Trust		
Series 2019-FA, Class A2 2.600%, 08/15/2068 (D)	\$ 553,000	\$ 568,193
New Residential Mortgage LLC		
Series 2018-FNT1, Class A 3.610%, 05/25/2023 (D)	220,526	220,024
Series 2018-FNT2, Class A 3.790%, 07/25/2054 (D)	117,813	115,097
NRZ Excess Spread-Collateralized Notes		
Series 2018-PLS1, Class A 3.193%, 01/25/2023 (D)	89,919	90,419
Series 2018-PLS2, Class A 3.265%, 02/25/2023 (D)	275,766	277,336
Option One Mortgage Loan Trust		
Series 2004-1, Class M1 (1 month LIBOR + 0.900%) 1.085%, 01/25/2034 (B)	272,415	261,529
Oxford Finance Funding LLC		
Series 2019-1A, Class A2 4.459%, 02/15/2027 (D)	185,000	189,886
Progress Residential Trust		
Series 2020-SFR1, Class A 1.732%, 04/17/2037 (D)	359,000	361,606
Renaissance Home Equity Loan Trust		
Series 2005-2, Class AF4 4.934%, 08/25/2035	116,655	120,092
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (D)	532,000	556,359
SCF Equipment Leasing LLC		
Series 2019-1A, Class A2 3.230%, 10/20/2024 (D)	186,000	184,818
Sesac Finance LLC		
Series 2019-1, Class A2 5.216%, 07/25/2049 (D)	382,113	392,426
Sierra Timeshare Receivables Funding LLC		
Series 2019-1A, Class A 3.200%, 01/20/2036 (D)	161,021	164,159
SMB Private Education Loan Trust		
Series 2015-C, Class A2A 2.750%, 07/15/2027 (D)	121,567	123,424
Series 2019-B, Class A2A 2.840%, 06/15/2037 (D)	526,000	543,260
Sonic Capital LLC		
Series 2020-1A, Class A2I 3.845%, 01/20/2050 (D)	307,970	322,786
Sunbird Engine Finance LLC		
Series 2020-1A, Class A 3.671%, 02/15/2045 (D)	247,488	196,040
Taco Bell Funding LLC		
Series 2016-1A, Class A2II 4.377%, 05/25/2046 (D)	679,000	681,152
Series 2018-1A, Class A2I 4.318%, 11/25/2048 (D)	495,455	505,998
TAL Advantage V LLC		
Series 2014-1A, Class A 3.510%, 02/22/2039 (D)	328,167	326,187
Towd Point Mortgage Trust		
Series 2015-1, Class A5 3.904%, 10/25/2053 (D)(I)	105,000	108,586
Series 2015-2, Class IM2 3.745%, 11/25/2060 (D)(I)	245,000	257,277
Series 2015-6, Class M2 3.750%, 04/25/2055 (D)(I)	1,000,000	1,051,941

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Towd Point Mortgage Trust (continued)		
Series 2017-1, Class A1		
2.750%, 10/25/2056 (D)(I)	\$ 93,381	\$ 95,552
Series 2017-2, Class A1		
2.750%, 04/25/2057 (D)(I)	49,496	50,367
Series 2018-1, Class A1		
3.000%, 01/25/2058 (D)(I)	136,570	141,480
Series 2018-3, Class A1		
3.750%, 05/25/2058 (D)(I)	180,043	193,286
Series 2018-4, Class A1		
3.000%, 06/25/2058 (D)(I)	408,593	431,131
Series 2018-5, Class A1A		
3.250%, 07/25/2058 (D)(I)	72,924	76,340
Series 2018-6, Class A1A		
3.750%, 03/25/2058 (D)(I)	554,881	583,737
Series 2019-1, Class A1		
3.750%, 03/25/2058 (D)(I)	281,154	302,660
Series 2019-4, Class A1		
2.900%, 10/25/2059 (D)(I)	327,641	344,650
Toyota Auto Loan Extended Note Trust		
Series 2019-1A, Class A		
2.560%, 11/25/2031 (D)	1,135,000	1,208,033
Series 2020-1A, Class A		
1.350%, 05/25/2033 (D)	346,000	351,172
Triton Container Finance V LLC		
Series 2018-1A, Class A		
3.950%, 03/20/2043 (D)	259,625	258,903
Vantage Data Centers Issuer LLC		
Series 2018-1A, Class A2		
4.072%, 02/16/2043 (D)	263,700	271,006
VSE VOI Mortgage LLC		
Series 2017-A, Class A		
2.330%, 03/20/2035 (D)	176,398	176,986
Westgate Resorts LLC		
Series 2017-1A, Class A		
3.050%, 12/20/2030 (D)	133,019	132,792
Westlake Automobile Receivables Trust		
Series 2019-1A, Class C		
3.450%, 03/15/2024 (D)	190,000	194,750
Series 2019-2A, Class A2A		
2.570%, 02/15/2023 (D)	473,787	477,234
Willis Engine Structured Trust V		
Series 2020-A, Class A		
3.228%, 03/15/2045 (D)	160,175	119,890
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$47,017,507)		<b>\$ 47,678,732</b>
<b>PREFERRED SECURITIES – 0.2%</b>		
<b>Consumer staples – 0.0%</b>		
Ocean Spray Cranberries, Inc.,		
6.250% (D)	2,216	180,604
<b>Financials – 0.0%</b>		
GMAC Capital Trust I (3 month LIBOR		
+ 5.785%), 6.177% (B)	8,934	200,300
Wells Fargo & Company, 7.500%	55	71,335
		271,635
<b>Information technology – 0.1%</b>		
Broadcom, Inc., 8.000%	332	369,964
<b>Utilities – 0.1%</b>		
Dominion Energy, Inc., 7.250%	550	55,737
DTE Energy Company, 6.250%	669	28,312
NextEra Energy, Inc., 5.279%	5,300	224,985
The Southern Company, 6.750%	831	36,614
		345,648
<b>TOTAL PREFERRED SECURITIES (Cost \$1,221,607)</b>		<b>\$ 1,167,851</b>

## Active Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ESCROW CERTIFICATES – 0.0%</b>		
Stearns Holdings LLC		
9.375%, 08/15/2020 (C)(D)(H)	\$ 46,000	\$ 5,304
<b>TOTAL ESCROW CERTIFICATES (Cost \$0)</b>		<b>\$ 5,304</b>
<b>SHORT-TERM INVESTMENTS – 9.7%</b>		
<b>Short-term funds – 9.3%</b>		
John Hancock Collateral Trust,		
0.2429% (K)(L)	424,837	4,253,166
State Street Institutional		
U.S. Government Money Market		
Fund, Premier Class, 0.1158% (K)	64,797,092	64,797,092
		69,050,258
<b>Repurchase agreement – 0.4%</b>		
Repurchase Agreement with State Street		
Corp. dated 6-30-20 at 0.000% to be		
repurchased at \$2,978,000 on 7-1-20,		
collateralized by \$3,030,600		
U.S. Treasury Notes, 0.250% due		
6-15-23 (valued at \$3,037,660)	\$ 2,978,000	2,978,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$72,028,333)</b>		<b>\$ 72,028,258</b>
<b>Total Investments (Active Bond Trust)</b> <b>(Cost \$761,568,626) – 108.3%</b>		<b>\$ 800,269,621</b>
<b>Other assets and liabilities, net – (8.3%)</b>		<b>(61,585,197)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 738,684,424</b>

### Currency Abbreviations

ARS	Argentine Peso
EUR	Euro
GBP	Pound Sterling
MXN	Mexican Peso

### Security Abbreviations and Legend

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
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	Non-income producing security.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$134,981,016 or 18.3% of the fund's net assets as of 6-30-20.
(E)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(F)	All or a portion of this security is on loan as of 6-30-20.
(G)	Non-income producing - Issuer is in default.
(H)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Active Bond Trust (continued)

- (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.

## Active Bond Trust (continued)

- (K) The rate shown is the annualized seven-day yield as of 6-30-20.
- (L) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
- \* Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
10-Year U.S. Treasury Note Futures	84	Short	Sep 2020	\$(11,610,076)	\$(11,690,437)	\$(80,361)
Ultra U.S. Treasury Bond Futures	7	Short	Sep 2020	(1,525,047)	(1,527,094)	(2,047)
						<b>\$(82,408)</b>

<sup>^</sup> Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

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

## Core Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 53.2%</b>		
<b>U.S. Government – 14.9%</b>		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 7,561,000	\$ 7,258,855
2.000%, 02/15/2050	4,301,000	4,922,965
2.750%, 11/15/2042	19,458,000	24,916,881
2.875%, 05/15/2043	12,977,000	16,949,179
3.125%, 08/15/2044	8,218,000	11,202,803
U.S. Treasury Notes		
0.125%, 05/31/2022 to 06/30/2022	8,927,000	8,921,278
0.250%, 06/15/2023 to 06/30/2025	12,571,000	12,578,639
0.500%, 05/31/2027 to 06/30/2027	1,231,000	1,232,535
0.625%, 05/15/2030	2,321,000	2,313,928
1.125%, 05/15/2040	10,398,000	10,299,706
1.375%, 01/31/2021 to 05/31/2021	34,186,000	34,493,445
2.250%, 04/30/2021	4,770,000	4,852,171
2.500%, 02/28/2026	3,243,000	3,631,020
3.125%, 05/15/2021	4,453,000	4,567,456
		148,140,861
<b>U.S. Government Agency – 38.3%</b>		
Federal Home Loan Mortgage Corp.		
2.500%, 05/01/2031	86,145	90,950
3.000%, 02/01/2050	187,843	200,104
3.500%, 02/01/2048 to 11/01/2049	6,011,486	6,437,965
4.000%, 01/01/2035 to 11/01/2049	30,887,843	33,760,942
4.500%, 06/01/2039 to 08/01/2049	12,352,313	13,649,151
5.000%, 09/01/2048 to 03/01/2049	4,406,612	4,952,582
Federal National Mortgage Association		
2.000%, TBA (A)	34,500,000	35,537,292
2.500%, TBA (A)	76,600,000	79,644,767
2.500%, 11/01/2028 to 08/01/2031	1,485,077	1,555,872
2.662%, (12 month LIBOR + 1.586%), 01/01/2046 (B)	2,988,478	3,096,512
2.755%, (12 month LIBOR + 1.579%), 06/01/2045 (B)	838,872	867,854
3.000%, TBA (A)	3,700,000	3,895,262
3.000%, 12/01/2034 to 02/01/2050	2,658,714	2,841,741
3.500%, 09/01/2032 (A)	1,267,117	1,332,074
3.500%, 06/01/2049 to 11/01/2049	2,432,091	2,582,160
4.000%, 07/01/2033 to 01/01/2059	43,874,150	48,275,308
4.500%, 05/01/2034 to 01/01/2059	34,295,132	38,391,696

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
5.000%, 07/01/2044 to 11/01/2049	\$ 33,510,668	\$ 37,823,569
5.500%, 12/01/2048 to 06/01/2049	4,244,933	4,787,038
Government National		
Mortgage Association		
2.000%, TBA (A)	700,000	724,810
2.500%, TBA (A)	1,800,000	1,885,970
3.000%, TBA (A)	3,100,000	3,270,037
3.000%, 02/20/2050 to 03/20/2050	4,683,998	5,022,551
3.500%, 01/20/2048 to 08/20/2049	3,035,588	3,291,100
4.000%, 06/20/2047 to 07/20/2049	21,949,203	23,666,242
4.500%, 08/15/2047 to 05/20/2049	6,690,210	7,303,376
5.000%, 12/20/2039 to 03/20/2049	15,905,731	17,455,704
		382,342,629
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$522,042,418)</b>		
		\$ 530,483,490
<b>FOREIGN GOVERNMENT OBLIGATIONS – 1.5%</b>		
<b>Colombia – 0.1%</b>		
Republic of Colombia		
3.125%, 04/15/2031	785,000	778,335
<b>Indonesia – 0.1%</b>		
Republic of Indonesia		
4.450%, 04/15/2070	560,000	643,827
<b>Israel – 0.1%</b>		
State of Israel		
3.375%, 01/15/2050	303,000	331,912
4.500%, 04/03/2120	337,000	434,730
		766,642
<b>Japan – 0.1%</b>		
Japan Bank for International Cooperation		
1.750%, 10/17/2024	816,000	853,149
<b>Mexico – 0.5%</b>		
Government of Mexico		
3.250%, 04/16/2030 (C)	1,231,000	1,219,933
3.900%, 04/27/2025 (C)	815,000	872,865
4.500%, 04/22/2029	1,796,000	1,953,150

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Mexico (continued)</b>		
Government of Mexico (continued)		
4.600%, 02/10/2048	\$ 387,000	\$ 401,513
4.750%, 03/08/2044	422,000	443,100
5.000%, 04/27/2051	439,000	473,023
		5,363,584
<b>Paraguay – 0.1%</b>		
Republic of Paraguay		
4.950%, 04/28/2031 (C)(D)	561,000	625,515
5.400%, 03/30/2050 (D)	817,000	945,678
		1,571,193
<b>Peru – 0.1%</b>		
Republic of Peru		
2.392%, 01/23/2026	384,000	398,784
2.783%, 01/23/2031	224,000	238,896
		637,680
<b>Qatar – 0.2%</b>		
State of Qatar		
3.400%, 04/16/2025 (D)	1,282,000	1,394,185
3.750%, 04/16/2030 (D)	913,000	1,039,626
		2,433,811
<b>United Arab Emirates – 0.2%</b>		
Republic of United Arab Emirates		
2.500%, 04/16/2025 (D)	1,815,000	1,907,220
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b>		
(Cost \$14,058,806)		\$ 14,955,441
<b>CORPORATE BONDS – 34.4%</b>		
<b>Communication services – 3.3%</b>		
AT&T, Inc.		
2.300%, 06/01/2027	1,020,000	1,053,103
2.750%, 06/01/2031	1,020,000	1,055,176
3.000%, 02/15/2022 to 06/30/2022	1,271,000	1,325,862
3.400%, 05/15/2025	1,230,000	1,352,454
3.500%, 06/01/2041	340,000	357,062
3.600%, 02/17/2023	588,000	631,134
3.650%, 06/01/2051	323,000	336,950
3.850%, 06/01/2060	340,000	360,331
3.900%, 03/11/2024	351,000	387,521
4.300%, 02/15/2030	734,000	857,540
4.500%, 03/09/2048	594,000	697,029
4.850%, 03/01/2039	309,000	372,580
5.150%, 02/15/2050	295,000	378,122
5.250%, 03/01/2037	181,000	223,736
5.350%, 12/15/2043	153,000	192,824
5.375%, 10/15/2041	246,000	308,373
Charter Communications Operating LLC		
4.464%, 07/23/2022	303,000	323,052
4.800%, 03/01/2050	256,000	290,152
Comcast Corp.		
1.950%, 01/15/2031	1,190,000	1,211,979
2.650%, 02/01/2030	460,000	500,157
2.800%, 01/15/2051	521,000	532,472
3.100%, 04/01/2025	649,000	712,899
3.700%, 04/15/2024	615,000	682,481
3.750%, 04/01/2040	775,000	911,602
3.950%, 10/15/2025	556,000	637,147
4.150%, 10/15/2028	797,000	958,826
4.600%, 10/15/2038	778,000	990,773
Discovery Communications LLC		
3.625%, 05/15/2030	259,000	283,271
The Walt Disney Company		
3.500%, 05/13/2040	388,000	422,785
3.600%, 01/13/2051	348,000	386,954
3.800%, 05/13/2060	242,000	277,122

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Time Warner Cable LLC		
6.550%, 05/01/2037	\$ 219,000	\$ 288,027
T-Mobile USA, Inc.		
1.500%, 02/15/2026 (D)	846,000	845,941
2.050%, 02/15/2028 (D)	1,117,000	1,117,525
2.550%, 02/15/2031 (D)	1,507,000	1,512,305
3.500%, 04/15/2025 (C)(D)	1,381,000	1,505,318
3.750%, 04/15/2027 (D)	1,049,000	1,163,866
3.875%, 04/15/2030 (D)	687,000	765,710
Verizon Communications, Inc.		
3.000%, 03/22/2027	319,000	353,819
3.500%, 11/01/2024	742,000	821,283
4.016%, 12/03/2029	383,000	457,812
4.272%, 01/15/2036	135,000	167,136
4.400%, 11/01/2034	666,000	827,569
4.522%, 09/15/2048	414,000	547,086
ViacomCBS, Inc.		
4.200%, 05/19/2032	1,000,000	1,109,421
4.375%, 03/15/2043	92,000	96,171
4.600%, 01/15/2045	59,000	62,444
4.750%, 05/15/2025	527,000	600,430
4.950%, 01/15/2031 to 05/19/2050	656,000	748,313
5.850%, 09/01/2043	221,000	261,277
Vodafone Group PLC		
4.250%, 09/17/2050	603,000	706,468
		32,969,390
<b>Consumer discretionary – 2.4%</b>		
Advance Auto Parts, Inc.		
3.900%, 04/15/2030 (D)	1,027,000	1,098,443
Amazon.com, Inc.		
1.500%, 06/03/2030	1,353,000	1,372,128
2.500%, 06/03/2050	372,000	376,232
2.700%, 06/03/2060	338,000	343,088
AutoNation, Inc.		
4.750%, 06/01/2030	509,000	551,446
BorgWarner, Inc.		
2.650%, 07/01/2027 (C)	706,000	722,888
Daimler Finance North America LLC		
2.125%, 03/10/2025 (D)	870,000	879,639
General Motors Company		
5.400%, 04/01/2048	473,000	467,485
General Motors Financial Company, Inc.		
2.750%, 06/20/2025	1,790,000	1,763,986
2.900%, 02/26/2025	806,000	802,786
3.950%, 04/13/2024	80,000	82,760
4.350%, 04/09/2025	183,000	193,141
5.200%, 03/20/2023	1,053,000	1,126,656
Harley-Davidson Financial Services, Inc.		
3.350%, 06/08/2025 (D)	651,000	665,294
Lowe's Companies, Inc.		
3.650%, 04/05/2029	223,000	255,680
4.000%, 04/15/2025	344,000	392,528
5.000%, 04/15/2040	388,000	504,058
5.125%, 04/15/2050	109,000	150,461
Magna International, Inc.		
2.450%, 06/15/2030	259,000	265,074
Marriott International, Inc.		
4.625%, 06/15/2030	775,000	805,768
5.750%, 05/01/2025	260,000	283,353
McDonald's Corp.		
1.450%, 09/01/2025 (C)	635,000	651,003
2.125%, 03/01/2030	89,000	91,242
2.625%, 09/01/2029	188,000	201,250
NIKE, Inc.		
2.400%, 03/27/2025	469,000	504,386

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
NIKE, Inc. (continued)		
2.750%, 03/27/2027	\$ 313,000	\$ 343,552
2.850%, 03/27/2030	308,000	343,043
3.375%, 03/27/2050	383,000	439,123
O'Reilly Automotive, Inc.		
4.200%, 04/01/2030	654,000	765,691
Ralph Lauren Corp.		
1.700%, 06/15/2022	551,000	560,600
2.950%, 06/15/2030	677,000	698,840
Starbucks Corp.		
1.300%, 05/07/2022	404,000	409,469
2.550%, 11/15/2030	346,000	362,843
3.350%, 03/12/2050	159,000	159,024
3.500%, 11/15/2050	404,000	424,453
The Home Depot, Inc.		
2.500%, 04/15/2027	393,000	430,540
2.700%, 04/15/2030	395,000	433,643
2.950%, 06/15/2029	179,000	200,990
3.125%, 12/15/2049	903,000	990,811
3.350%, 04/15/2050	487,000	555,384
The Leland Stanford Junior University		
1.289%, 06/01/2027	129,000	131,211
Toyota Motor Credit Corp.		
1.350%, 08/25/2023	974,000	993,619
2.150%, 02/13/2030	100,000	105,153
Yale University		
0.873%, 04/15/2025	567,000	571,374
1.482%, 04/15/2030	486,000	491,103
		23,961,241
<b>Consumer staples – 1.8%</b>		
Altria Group, Inc.		
2.350%, 05/06/2025	520,000	547,155
3.400%, 05/06/2030	418,000	449,641
3.875%, 09/16/2046	172,000	171,469
4.450%, 05/06/2050	426,000	465,789
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	576,000	679,063
4.900%, 02/01/2046	92,000	112,528
Anheuser-Busch InBev Worldwide, Inc.		
4.150%, 01/23/2025	669,000	759,126
4.600%, 04/15/2048	425,000	496,149
Bacardi, Ltd.		
5.300%, 05/15/2048 (D)	242,000	298,778
BAT Capital Corp.		
3.557%, 08/15/2027	635,000	687,075
4.390%, 08/15/2037	47,000	51,267
4.700%, 04/02/2027	680,000	777,071
Constellation Brands, Inc.		
3.200%, 02/15/2023	154,000	163,456
3.700%, 12/06/2026	261,000	291,243
3.750%, 05/01/2050	511,000	555,005
4.400%, 11/15/2025	46,000	53,169
Costco Wholesale Corp.		
1.600%, 04/20/2030	1,917,000	1,936,747
1.750%, 04/20/2032	494,000	501,499
Dollar General Corp.		
3.500%, 04/03/2030	384,000	430,134
4.125%, 04/03/2050	73,000	87,112
General Mills, Inc.		
2.875%, 04/15/2030	1,038,000	1,128,487
Hormel Foods Corp.		
1.800%, 06/11/2030	710,000	722,549
Ingredion, Inc.		
2.900%, 06/01/2030	825,000	878,202
3.900%, 06/01/2050	307,000	351,170

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
Keurig Dr Pepper, Inc.		
3.800%, 05/01/2050	\$ 331,000	\$ 377,593
Mondelez International, Inc.		
1.500%, 05/04/2025	182,000	185,484
PepsiCo, Inc.		
2.250%, 03/19/2025	442,000	472,793
2.625%, 03/19/2027	278,000	303,848
Reynolds American, Inc.		
5.850%, 08/15/2045	348,000	435,164
Sysco Corp.		
2.400%, 02/15/2030	330,000	326,126
3.300%, 07/15/2026	116,000	124,232
6.600%, 04/01/2050	166,000	228,038
The Coca-Cola Company		
2.600%, 06/01/2050	136,000	137,407
The Procter & Gamble Company		
2.800%, 03/25/2027	159,000	177,125
3.550%, 03/25/2040	97,000	116,982
3.600%, 03/25/2050	165,000	205,407
Walmart, Inc.		
3.050%, 07/08/2026	299,000	337,333
3.550%, 06/26/2025	660,000	748,160
3.700%, 06/26/2028	832,000	985,752
4.050%, 06/29/2048	8,000	10,489
		17,765,817
<b>Energy – 3.1%</b>		
BP Capital Markets America, Inc.		
3.194%, 04/06/2025	790,000	858,960
3.543%, 04/06/2027	796,000	882,499
Chevron Corp.		
1.141%, 05/11/2023 (C)	1,212,000	1,232,875
1.554%, 05/11/2025	1,687,000	1,732,923
1.995%, 05/11/2027	421,000	440,810
2.236%, 05/11/2030	906,000	948,385
3.078%, 05/11/2050	709,000	752,282
Devon Energy Corp.		
5.000%, 06/15/2045	168,000	150,470
5.600%, 07/15/2041	256,000	249,844
Diamondback Energy, Inc.		
3.250%, 12/01/2026	808,000	812,395
Ecopetrol SA		
5.875%, 05/28/2045	338,000	353,734
6.875%, 04/29/2030	535,000	615,785
Enbridge, Inc.		
2.500%, 01/15/2025	1,504,000	1,561,833
3.125%, 11/15/2029	688,000	720,962
Energy Transfer Operating LP		
6.050%, 06/01/2041	147,000	151,447
6.125%, 12/15/2045	125,000	129,979
Enterprise Products Operating LLC		
3.700%, 01/31/2051	297,000	308,776
3.950%, 01/31/2060	328,000	339,130
4.200%, 01/31/2050	119,000	131,668
EOG Resources, Inc.		
4.375%, 04/15/2030	586,000	697,562
Equinor ASA		
1.750%, 01/22/2026	487,000	498,832
2.375%, 05/22/2030	325,000	337,799
3.250%, 11/18/2049	233,000	247,528
Exxon Mobil Corp.		
1.571%, 04/15/2023	1,546,000	1,585,350
2.992%, 03/19/2025	323,000	351,373
Magellan Midstream Partners LP		
3.250%, 06/01/2030	650,000	688,517

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Marathon Oil Corp. 4.400%, 07/15/2027	\$ 624,000	\$ 612,388
Marathon Petroleum Corp. 3.625%, 09/15/2024	837,000	892,453
4.500%, 04/01/2048	81,000	83,055
4.700%, 05/01/2025	594,000	664,959
4.750%, 12/15/2023	254,000	278,733
Noble Energy, Inc. 3.850%, 01/15/2028 (C)	161,000	155,522
3.900%, 11/15/2024	373,000	375,756
4.200%, 10/15/2049	447,000	368,614
4.950%, 08/15/2047	399,000	355,152
ONEOK, Inc. 3.400%, 09/01/2029	64,000	62,239
Petroleos Mexicanos 2.378%, 04/15/2025	687,500	711,485
2.460%, 12/15/2025	1,782,550	1,848,321
Plains All American Pipeline LP 3.550%, 12/15/2029	642,000	624,177
4.900%, 02/15/2045	136,000	125,756
Schlumberger Finance Canada, Ltd. 2.650%, 11/20/2022 (C)(D)	321,000	330,870
Suncor Energy, Inc. 2.800%, 05/15/2023	838,000	875,227
3.100%, 05/15/2025	674,000	719,890
Sunoco Logistics Partners Operations LP 5.300%, 04/01/2044	214,000	206,410
5.350%, 05/15/2045	40,000	38,651
Tennessee Gas Pipeline Company LLC 2.900%, 03/01/2030 (D)	801,000	820,706
The Williams Companies, Inc. 3.900%, 01/15/2025	225,000	246,194
5.400%, 03/04/2044	318,000	353,443
Total Capital International SA 2.986%, 06/29/2041	264,000	269,056
3.127%, 05/29/2050	497,000	507,312
TransCanada PipeLines, Ltd. 3.750%, 10/16/2023	806,000	870,403
4.625%, 03/01/2034	222,000	255,096
4.875%, 01/15/2026	99,000	116,826
Transcontinental Gas Pipe Line Company LLC 3.250%, 05/15/2030 (D)	336,000	358,819
3.950%, 05/15/2050 (D)	538,000	575,764
		30,484,995
<b>Financials – 10.0%</b>		
Affiliated Managers Group, Inc. 3.300%, 06/15/2030	1,015,000	1,033,877
American Financial Group, Inc. 5.250%, 04/02/2030	818,000	971,754
American International Group, Inc. 2.500%, 06/30/2025	1,925,000	2,036,820
3.400%, 06/30/2030	716,000	775,593
4.200%, 04/01/2028	477,000	542,705
4.500%, 07/16/2044	425,000	494,936
4.750%, 04/01/2048	659,000	794,258
Ameriprise Financial, Inc. 3.000%, 04/02/2025	534,000	579,606
Arch Capital Group, Ltd. 3.635%, 06/30/2050	422,000	441,585
Asian Development Bank 0.625%, 04/07/2022	2,838,000	2,856,148
Athene Holding, Ltd. 6.150%, 04/03/2030	997,000	1,147,348

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Banco Santander Mexico SA 5.375%, 04/17/2025 (D)	\$ 429,000	\$ 469,498
Banco Santander SA 2.746%, 05/28/2025	600,000	621,492
3.490%, 05/28/2030	200,000	214,069
Bank of America Corp. 4.125%, 01/22/2024	105,000	116,320
4.183%, 11/25/2027	899,000	1,025,444
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	1,934,000	2,034,620
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	330,000	349,058
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	1,686,000	1,773,266
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	1,206,000	1,301,932
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	2,172,000	2,418,825
Bank of America Corp. (4.271% to 7-23-28, then 3 month LIBOR + 1.310%) 07/23/2029	1,600,000	1,883,184
Barclays PLC (2.645% to 6-24-30, then 1 Year CMT + 1.900%) 06/24/2031	453,000	449,856
Barclays PLC (5.088% to 6-20-29, then 3 month LIBOR + 3.054%) 06/20/2030	1,162,000	1,324,570
BNP Paribas SA (2.219% to 6-9-25, then SOFR + 2.070%) 06/09/2026 (D)	1,003,000	1,024,706
BNP Paribas SA (2.819% to 11-19-24, then 3 month LIBOR + 1.111%) 11/19/2025 (D)	1,782,000	1,866,266
BNP Paribas SA (3.052% to 1-13-30, then SOFR + 1.507%) 01/13/2031 (D)	364,000	382,907
Brighthouse Financial, Inc. 4.700%, 06/22/2047	356,000	325,502
Brookfield Finance, Inc. 4.350%, 04/15/2030	832,000	938,874
Capital One Financial Corp. 2.600%, 05/11/2023	2,268,000	2,368,372
3.650%, 05/11/2027	645,000	705,192
Citigroup, Inc. 3.200%, 10/21/2026	632,000	693,100
Citigroup, Inc. (2.572% to 6-3-30, then SOFR + 2.107%) 06/03/2031	1,303,000	1,346,621
Citigroup, Inc. (2.976% to 11-5-29, then SOFR + 1.422%) 11/05/2030	906,000	963,948
Citigroup, Inc. (3.106% to 4-8-25, then SOFR + 2.750%) 04/08/2026	3,649,000	3,912,293
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.910%) 03/31/2031	2,035,000	2,406,770
Credit Suisse Group AG 3.574%, 01/09/2023 (D)	1,664,000	1,726,087
Credit Suisse Group AG (2.193% to 6-5-25, then SOFR + 2.044%) 06/05/2026 (D)	1,224,000	1,239,296
Credit Suisse Group AG (2.997% to 12-14-22, then 3 month LIBOR + 1.200%) 12/14/2023 (D)	593,000	617,244

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Credit Suisse Group Funding Guernsey, Ltd. 3.800%, 06/09/2023	\$ 535,000	\$ 576,088
Danske Bank A/S 1.226%, 06/22/2024 (D) 5.000%, 01/12/2022 (D)	1,643,000 796,000	1,649,048 837,101
Danske Bank A/S (3.001% to 9-20-21, then 3 month LIBOR + 1.249%) 09/20/2022 (D)	1,554,000	1,578,199
Danske Bank A/S (3.244% to 12-20-24, then 3 month LIBOR + 1.591%) 12/20/2025 (D)	1,448,000	1,505,381
Element Fleet Management Corp. 3.850%, 06/15/2025 (D)	651,000	668,099
Federal Realty Investment Trust 3.950%, 01/15/2024	504,000	536,352
Fidelity National Financial, Inc. 3.400%, 06/15/2030	526,000	547,459
GE Capital Funding LLC 3.450%, 05/15/2025 (D) 4.400%, 05/15/2030 (D)	1,363,000 276,000	1,428,007 286,981
GE Capital International Funding Company 4.418%, 11/15/2035	1,050,000	1,066,008
Inter-American Development Bank 0.875%, 04/03/2025	1,255,000	1,279,331
JPMorgan Chase & Co. 2.950%, 10/01/2026	93,000	102,142
JPMorgan Chase & Co. (1.514% to 6-1-23, then SOFR + 1.455%) 06/01/2024	3,246,000	3,298,491
JPMorgan Chase & Co. (2.182% to 6-1-27, then SOFR + 1.890%) 06/01/2028	974,000	1,007,507
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.520%) 05/13/2031	1,349,000	1,434,498
JPMorgan Chase & Co. (3.207% to 4-1-22, then 3 month LIBOR + 0.695%) 04/01/2023	1,036,000	1,078,674
JPMorgan Chase & Co. (4.493% to 3-24-30, then SOFR + 3.790%) 03/24/2031	387,000	472,777
Landwirtschaftliche Rentenbank 0.500%, 05/27/2025	1,947,000	1,949,644
Lincoln National Corp. 3.050%, 01/15/2030	1,036,000	1,090,504
Lloyds Banking Group PLC (1.326% to 6-15-22, then 1 Year CMT + 1.100%) 06/15/2023	653,000	656,826
Lloyds Banking Group PLC (3.870% to 7-9-24, then 1 Year CMT + 3.500%) 07/09/2025	1,735,000	1,886,864
MDGH - GMTN BV 2.875%, 11/07/2029 (D)	584,000	611,220
Morgan Stanley 2.750%, 05/19/2022	1,184,000	1,230,985
Nationwide Building Society (4.363% to 8-1-23, then 3 month LIBOR + 1.392%) 08/01/2024 (D)	672,000	726,993
Nationwide Financial Services, Inc. 3.900%, 11/30/2049 (D)	764,000	762,936
Nationwide Mutual Insurance Company 4.350%, 04/30/2050 (D)	426,000	443,436

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Nomura Holdings, Inc. 2.648%, 01/16/2025	\$ 447,000	\$ 466,172
3.103%, 01/16/2030	1,617,000	1,686,565
Prudential Financial, Inc. 4.350%, 02/25/2050	328,000	393,667
Realty Income Corp. 3.250%, 01/15/2031	726,000	785,266
Santander Holdings USA, Inc. 3.450%, 06/02/2025	977,000	1,018,312
Scentre Group Trust 1 3.625%, 01/28/2026 (D)	503,000	527,674
Societe Generale SA 2.625%, 10/16/2024 to 01/22/2025 (D)	1,635,000	1,669,698
Societe Generale SA (3.653% to 7-8-30, then 5 Year CMT + 3.000%) 07/08/2035 (D)	427,000	427,000
State Street Corp. (2.825% to 3-30-22, then SOFR + 2.690%) 03/30/2023 (D)	817,000	847,742
Sumitomo Mitsui Financial Group, Inc. 1.474%, 07/08/2025 (A)	1,782,000	1,781,675
2.130%, 07/08/2030 (A)	511,000	512,082
SVB Financial Group 3.125%, 06/05/2030	260,000	278,426
Swedish Export Credit 0.750%, 04/06/2023	1,696,000	1,708,467
The Charles Schwab Corp. 3.250%, 05/22/2029	486,000	546,962
4.625%, 03/22/2030 (C)	324,000	404,172
The Goldman Sachs Group, Inc. 3.500%, 04/01/2025 to 11/16/2026	5,275,000	5,788,272
3.850%, 01/26/2027	527,000	594,464
4.000%, 03/03/2024	136,000	150,280
6.750%, 10/01/2037	540,000	778,653
The Goldman Sachs Group, Inc. (3.272% to 9-29-24, then 3 month LIBOR + 1.201%) 09/29/2025	154,000	166,021
The Royal Bank of Scotland Group PLC (2.359% to 5-22-23, then 1 Year CMT + 2.150%) 05/22/2024	280,000	287,460
The Royal Bank of Scotland Group PLC (3.073% to 5-22-27, then 1 Year CMT + 2.550%) 05/22/2028	507,000	532,192
The Royal Bank of Scotland Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	509,000	527,544
The Royal Bank of Scotland Group PLC (4.445% to 5-8-29, then 3 month LIBOR + 1.871%) 05/08/2030	555,000	644,214
Truist Bank 2.250%, 03/11/2030	456,000	460,528
UBS Group AG (2.859% to 8-15-22, then 3 month LIBOR + 0.954%) 08/15/2023 (D)	1,556,000	1,611,707
		99,480,708
<b>Health care – 4.0%</b>		
Abbott Laboratories 3.750%, 11/30/2026	400,000	465,390
AbbVie, Inc. 2.300%, 11/21/2022 (D)	1,854,000	1,916,458
2.600%, 11/21/2024 (D)	791,000	842,320
2.900%, 11/06/2022	1,019,000	1,069,063
2.950%, 11/21/2026 (D)	318,000	347,961
3.200%, 11/21/2029 (D)	964,000	1,072,063
3.750%, 11/14/2023	85,000	92,388
3.800%, 03/15/2025 (D)	1,321,000	1,472,964

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
AbbVie, Inc. (continued)		
4.050%, 11/21/2039 (D)	\$ 369,000	\$ 427,969
4.250%, 11/14/2028	237,000	279,689
4.250%, 11/21/2049 (D)	612,000	733,612
4.450%, 05/14/2046	234,000	284,023
Aetna, Inc.		
3.875%, 08/15/2047	252,000	284,176
Amgen, Inc.		
2.300%, 02/25/2031	510,000	533,571
3.150%, 02/21/2040	348,000	369,908
3.375%, 02/21/2050	316,000	345,992
Anthem, Inc.		
2.250%, 05/15/2030	842,000	866,250
3.125%, 05/15/2050	338,000	349,494
3.650%, 12/01/2027	436,000	496,760
Biogen, Inc.		
3.150%, 05/01/2050	311,000	299,424
Bristol-Myers Squibb Company		
3.200%, 06/15/2026 (D)	636,000	713,741
3.400%, 07/26/2029 (D)	416,000	484,839
3.450%, 11/15/2027 (D)	454,000	522,492
3.875%, 08/15/2025 (D)	350,000	398,155
3.900%, 02/20/2028 (D)	487,000	573,000
4.250%, 10/26/2049 (D)	256,000	339,900
4.350%, 11/15/2047 (D)	151,000	200,560
Cigna Corp.		
3.400%, 09/17/2021 to 03/15/2050	855,000	890,648
3.400%, 03/01/2027 (D)	767,000	844,832
3.875%, 10/15/2047 (D)	668,000	765,917
4.375%, 10/15/2028	160,000	189,349
CVS Health Corp.		
3.000%, 08/15/2026	343,000	375,025
3.700%, 03/09/2023	848,000	911,171
4.000%, 12/05/2023	463,000	507,875
4.780%, 03/25/2038	245,000	304,348
Danaher Corp.		
3.350%, 09/15/2025	318,000	354,718
Dentsply Sirona, Inc.		
3.250%, 06/01/2030	347,000	363,551
DH Europe Finance II Sarl		
2.050%, 11/15/2022	508,000	524,672
2.200%, 11/15/2024	870,000	914,378
2.600%, 11/15/2029	1,093,000	1,162,911
3.400%, 11/15/2049	265,000	297,575
Eli Lilly & Company		
2.250%, 05/15/2050	481,000	461,156
Gilead Sciences, Inc.		
4.750%, 03/01/2046	160,000	216,133
HCA, Inc.		
5.250%, 06/15/2049	170,000	204,676
Merck & Company, Inc.		
1.450%, 06/24/2030	666,000	667,338
2.350%, 06/24/2040	231,000	235,026
2.450%, 06/24/2050	231,000	231,834
3.700%, 02/10/2045	219,000	262,598
Novartis Capital Corp.		
2.000%, 02/14/2027	558,000	591,363
2.200%, 08/14/2030	550,000	581,823
Perrigo Finance Unlimited Company		
3.150%, 06/15/2030	841,000	848,039
Pfizer, Inc.		
2.550%, 05/28/2040	484,000	502,323
2.700%, 05/28/2050	517,000	533,126
2.800%, 03/11/2022	305,000	317,587

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Shire Acquisitions Investments Ireland		
DAC		
2.875%, 09/23/2023	\$ 661,000	\$ 700,111
Stryker Corp.		
1.150%, 06/15/2025	681,000	685,501
1.950%, 06/15/2030	619,000	621,608
2.900%, 06/15/2050	477,000	478,057
Takeda Pharmaceutical Company, Ltd.		
2.050%, 03/31/2030 (A)	1,191,000	1,178,841
3.175%, 07/09/2050 (A)	537,000	539,087
3.375%, 07/09/2060 (A)	252,000	252,019
4.400%, 11/26/2023	578,000	642,401
Thermo Fisher Scientific, Inc.		
4.497%, 03/25/2030	1,185,000	1,465,789
UnitedHealth Group, Inc.		
2.000%, 05/15/2030	508,000	531,703
2.750%, 05/15/2040	405,000	429,502
2.900%, 05/15/2050	271,000	288,580
3.125%, 05/15/2060	167,000	178,372
3.500%, 08/15/2039	109,000	126,706
3.700%, 12/15/2025	343,000	393,196
3.750%, 10/15/2047	273,000	325,632
3.875%, 08/15/2059	172,000	210,607
Upjohn, Inc.		
2.700%, 06/22/2030 (D)	397,000	407,883
4.000%, 06/22/2050 (D)	289,000	309,326
		39,607,075
<b>Industrials – 2.0%</b>		
AerCap Ireland Capital DAC		
3.500%, 05/26/2022	308,000	304,742
3.950%, 02/01/2022	191,000	191,064
4.450%, 04/03/2026	198,000	187,655
4.625%, 07/01/2022	162,000	163,625
4.875%, 01/16/2024	321,000	318,881
6.500%, 07/15/2025 (C)	650,000	680,961
Burlington Northern Santa Fe LLC		
3.050%, 02/15/2051	227,000	246,383
Crowley Conro LLC		
4.181%, 08/15/2043	545,200	684,999
CSX Corp.		
4.300%, 03/01/2048	40,000	49,775
4.750%, 11/15/2048	218,000	289,308
Deere & Company		
2.750%, 04/15/2025	663,000	724,375
3.750%, 04/15/2050	292,000	359,056
General Dynamics Corp.		
4.250%, 04/01/2040	131,000	163,158
General Electric Company		
3.100%, 01/09/2023	110,000	115,119
3.450%, 05/01/2027	945,000	969,352
3.625%, 05/01/2030	485,000	485,434
5.875%, 01/14/2038	52,000	58,175
Hutama Karya Persero PT		
3.750%, 05/11/2030 (D)	376,000	392,944
International Lease Finance Corp.		
5.875%, 08/15/2022	243,000	255,655
John Deere Capital Corp.		
0.550%, 07/05/2022	972,000	974,720
1.200%, 04/06/2023	749,000	762,773
1.750%, 03/09/2027	449,000	466,827
Northrop Grumman Corp.		
2.550%, 10/15/2022	1,005,000	1,048,675
2.930%, 01/15/2025	45,000	48,614
3.250%, 08/01/2023 to 01/15/2028	1,499,000	1,636,592
4.030%, 10/15/2047	330,000	399,066

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Northrop Grumman Corp. (continued)		
5.150%, 05/01/2040	\$ 495,000	\$ 658,720
Raytheon Technologies Corp.		
3.650%, 08/16/2023	64,000	69,240
3.950%, 08/16/2025	458,000	522,935
4.450%, 11/16/2038	426,000	521,005
Southwest Airlines Company		
4.750%, 05/04/2023	680,000	702,143
5.125%, 06/15/2027	1,020,000	1,057,478
The Boeing Company		
2.700%, 02/01/2027	488,000	476,582
2.950%, 02/01/2030	517,000	504,878
5.805%, 05/01/2050	364,000	429,485
Union Pacific Corp.		
2.150%, 02/05/2027	503,000	530,897
2.400%, 02/05/2030	622,000	664,824
2.950%, 03/01/2022	563,000	585,067
3.150%, 03/01/2024	269,000	291,953
3.250%, 02/05/2050	799,000	873,777
3.750%, 02/05/2070	100,000	111,328
4.300%, 03/01/2049	83,000	106,173
		20,084,413
<b>Information technology – 2.9%</b>		
Adobe, Inc.		
2.300%, 02/01/2030	1,129,000	1,219,015
Apple, Inc.		
2.050%, 09/11/2026	1,020,000	1,089,820
2.650%, 05/11/2050	452,000	465,979
3.200%, 05/13/2025 (C)	233,000	260,196
4.250%, 02/09/2047	278,000	366,035
Broadcom Corp.		
3.875%, 01/15/2027	770,000	832,418
Broadcom, Inc.		
3.150%, 11/15/2025 (D)	1,779,000	1,888,773
4.150%, 11/15/2030 (D)	1,071,000	1,165,296
4.250%, 04/15/2026 (D)	545,000	606,852
4.700%, 04/15/2025 (D)	801,000	901,829
5.000%, 04/15/2030 (D)	426,000	489,524
Fiserv, Inc.		
3.200%, 07/01/2026	545,000	603,211
3.500%, 07/01/2029	583,000	654,657
4.200%, 10/01/2028	54,000	63,351
HP, Inc.		
2.200%, 06/17/2025	1,020,000	1,054,091
IBM Corp.		
3.300%, 05/15/2026	210,000	236,305
4.150%, 05/15/2039	282,000	342,259
Intel Corp.		
2.450%, 11/15/2029	375,000	405,262
4.600%, 03/25/2040	323,000	426,210
KLA Corp.		
3.300%, 03/01/2050	432,000	444,455
Lam Research Corp.		
1.900%, 06/15/2030	580,000	592,697
2.875%, 06/15/2050	573,000	592,122
Mastercard, Inc.		
3.300%, 03/26/2027	325,000	368,030
Micron Technology, Inc.		
2.497%, 04/24/2023	1,004,000	1,042,594
Microsoft Corp.		
2.525%, 06/01/2050	190,000	196,595
2.675%, 06/01/2060	410,000	427,847
2.875%, 02/06/2024	194,000	209,387
4.100%, 02/06/2037	321,000	414,050

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
NetApp, Inc.		
1.875%, 06/22/2025	\$ 716,000	\$ 725,310
NVIDIA Corp.		
3.500%, 04/01/2040 to 04/01/2050	1,146,000	1,330,609
NXP BV		
2.700%, 05/01/2025 (D)	322,000	338,245
3.150%, 05/01/2027 (D)	548,000	581,384
3.400%, 05/01/2030 (D)	694,000	746,779
3.875%, 06/18/2026 (D)	1,127,000	1,261,025
4.300%, 06/18/2029 (D)	426,000	483,260
Oracle Corp.		
2.625%, 02/15/2023	421,000	442,493
2.800%, 04/01/2027	971,000	1,060,252
2.950%, 11/15/2024	225,000	243,886
3.800%, 11/15/2037	230,000	265,312
3.850%, 04/01/2060	536,000	627,124
4.000%, 11/15/2047	489,000	579,305
PayPal Holdings, Inc.		
1.350%, 06/01/2023	877,000	895,242
1.650%, 06/01/2025	1,228,000	1,271,096
Texas Instruments, Inc.		
1.375%, 03/12/2025	403,000	413,708
		28,623,890
<b>Materials – 0.9%</b>		
Air Products and Chemicals, Inc.		
2.700%, 05/15/2040	162,000	172,061
Barrick North America Finance LLC		
5.700%, 05/30/2041	388,000	521,403
5.750%, 05/01/2043	146,000	204,263
DuPont de Nemours, Inc.		
4.205%, 11/15/2023	841,000	922,953
4.493%, 11/15/2025 (C)	599,000	689,572
Georgia-Pacific LLC		
1.750%, 09/30/2025 (D)	1,072,000	1,105,909
2.100%, 04/30/2027 (C)(D)	517,000	536,802
2.300%, 04/30/2030 (D)	850,000	885,520
International Paper Company		
4.400%, 08/15/2047	319,000	372,841
Newmont Corp.		
2.250%, 10/01/2030	508,000	514,708
Nucor Corp.		
2.000%, 06/01/2025	339,000	351,960
2.700%, 06/01/2030	339,000	355,589
Nutrien, Ltd.		
2.950%, 05/13/2030	436,000	462,009
5.000%, 04/01/2049	491,000	632,323
Steel Dynamics, Inc.		
2.400%, 06/15/2025	246,000	253,364
3.250%, 01/15/2031	246,000	250,005
Teck Resources, Ltd.		
3.900%, 07/15/2030 (D)	494,000	492,897
		8,724,179
<b>Real estate – 0.9%</b>		
Alexandria Real Estate Equities, Inc.		
4.900%, 12/15/2030	226,000	281,419
Crown Castle International Corp.		
3.300%, 07/01/2030	912,000	995,728
4.000%, 03/01/2027	157,000	178,415
Equinix, Inc.		
2.625%, 11/18/2024	429,000	456,722
2.900%, 11/18/2026	895,000	964,738
GLP Capital LP		
4.000%, 01/15/2030	263,000	261,514
5.300%, 01/15/2029	322,000	348,430

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
Healthpeak Properties, Inc. 2.875%, 01/15/2031	\$ 315,000	\$ 323,380
Mid-America Apartments LP 3.600%, 06/01/2027	47,000	52,144
3.750%, 06/15/2024	745,000	806,664
3.950%, 03/15/2029	320,000	368,966
4.000%, 11/15/2025	390,000	433,211
4.300%, 10/15/2023	326,000	357,896
Regency Centers LP 2.950%, 09/15/2029	692,000	702,241
Spirit Realty LP 3.400%, 01/15/2030	384,000	363,283
4.000%, 07/15/2029	184,000	181,296
4.450%, 09/15/2026	39,000	40,425
STORE Capital Corp. 4.500%, 03/15/2028	1,198,000	1,220,248
4.625%, 03/15/2029	406,000	415,062
Ventas Realty LP 4.750%, 11/15/2030	392,000	440,360
VEREIT Operating Partnership LP 3.400%, 01/15/2028	338,000	340,044
		9,532,186
<b>Utilities – 3.1%</b>		
AEP Texas, Inc. 2.100%, 07/01/2030	162,000	161,572
Alabama Power Company 3.450%, 10/01/2049	637,000	707,039
Ameren Corp. 3.500%, 01/15/2031	150,000	167,677
Arizona Public Service Company 3.150%, 05/15/2025	805,000	883,701
Black Hills Corp. 3.050%, 10/15/2029	1,030,000	1,089,521
3.875%, 10/15/2049	286,000	305,405
CenterPoint Energy Houston Electric LLC 2.900%, 07/01/2050	220,000	229,058
CenterPoint Energy Resources Corp. 4.100%, 09/01/2047	311,000	353,368
CenterPoint Energy, Inc. 2.500%, 09/01/2022 to 09/01/2024	758,000	799,430
2.950%, 03/01/2030	302,000	320,729
Consumers Energy Company 2.500%, 05/01/2060	269,000	256,432
Dominion Energy, Inc. 2.000%, 08/15/2021	448,000	454,515
2.850%, 08/15/2026	413,000	443,155
DTE Electric Company 2.950%, 03/01/2050	703,000	734,874
DTE Energy Company 2.529%, 10/01/2024	568,000	594,348
2.950%, 03/01/2030	426,000	443,476
3.800%, 03/15/2027	641,000	706,498
Duke Energy Corp. 1.800%, 09/01/2021	671,000	679,771
2.450%, 06/01/2030	524,000	552,093
2.650%, 09/01/2026	416,000	451,017
Duke Energy Ohio, Inc. 2.125%, 06/01/2030	487,000	504,307
Evergy Kansas Central, Inc. 3.450%, 04/15/2050	861,000	952,985
Evergy Metro, Inc. 2.250%, 06/01/2030	649,000	679,810
Evergy, Inc. 2.450%, 09/15/2024	595,000	628,621

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Evergy, Inc. (continued) 2.900%, 09/15/2029	\$ 423,000	\$ 453,171
Exelon Corp. 4.700%, 04/15/2050	721,000	916,052
FirstEnergy Corp. 1.600%, 01/15/2026	265,000	267,337
2.850%, 07/15/2022	138,000	143,119
3.900%, 07/15/2027	595,000	672,991
4.250%, 03/15/2023	808,000	873,667
Interstate Power & Light Company 3.500%, 09/30/2049	244,000	266,002
ITC Holdings Corp. 2.700%, 11/15/2022	641,000	668,268
Metropolitan Edison Company 4.300%, 01/15/2029 (D)	503,000	587,882
MidAmerican Energy Company 3.650%, 08/01/2048	338,000	400,176
Mississippi Power Company 3.950%, 03/30/2028	782,000	888,038
4.250%, 03/15/2042	469,000	550,059
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	1,014,000	1,041,654
2.750%, 05/01/2025	1,044,000	1,127,292
Oncor Electric Delivery Company LLC 3.700%, 11/15/2028	486,000	570,417
Pacific Gas & Electric Company 2.100%, 08/01/2027 (C)	1,145,000	1,130,768
2.500%, 02/01/2031	1,616,000	1,579,802
3.300%, 08/01/2040 (C)	214,000	208,233
3.500%, 08/01/2050	209,000	201,764
PECO Energy Company 2.800%, 06/15/2050	279,000	287,883
Pennsylvania Electric Company 3.250%, 03/15/2028 (D)	269,000	292,366
PPL Capital Funding, Inc. 3.100%, 05/15/2026	773,000	836,837
3.400%, 06/01/2023	91,000	96,352
4.125%, 04/15/2030	827,000	940,884
5.000%, 03/15/2044	426,000	502,866
Public Service Electric and Gas Company 2.700%, 05/01/2050	707,000	731,834
Southern California Edison Company 2.850%, 08/01/2029	324,000	342,313
4.125%, 03/01/2048	519,000	605,949
4.650%, 10/01/2043	151,000	184,817
Southern California Gas Company 2.550%, 02/01/2030	498,000	535,857
2.600%, 06/15/2026	182,000	197,208
Trans-Allegheny Interstate Line Company 3.850%, 06/01/2025 (D)	224,000	251,444
		31,452,704
<b>TOTAL CORPORATE BONDS</b> (Cost \$323,611,364)	\$	342,686,598
<b>MUNICIPAL BONDS – 0.7%</b>		
County of Clark Department of Aviation (Nevada) 6.820%, 07/01/2045	750,000	1,170,270
Los Angeles Community College District (California) 6.750%, 08/01/2049	1,100,000	1,943,227
North Texas Tollway Authority 6.718%, 01/01/2049	697,000	1,229,592

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
Port Authority of New York & New Jersey		
4.458%, 10/01/2062	\$ 571,000	\$ 758,020
State of California		
7.600%, 11/01/2040	155,000	284,544
The Ohio State University		
4.800%, 06/01/2111	464,000	706,644
University of Texas		
2.439%, 08/15/2049	285,000	280,600
<b>TOTAL MUNICIPAL BONDS (Cost \$5,139,346)</b>		<b>\$ 6,372,897</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 9.2%</b>		
<b>Commercial and residential – 4.0%</b>		
Angel Oak Mortgage Trust		
Series 2020-2, Class A1A		
2.531%, 01/26/2065 (D)(E)	932,946	949,778
Angel Oak Mortgage Trust I LLC		
Series 2019-2, Class A1		
3.628%, 03/25/2049 (D)(E)	442,780	453,689
Benchmark Mortgage Trust		
Series 2018-B1, Class ASB		
3.602%, 01/15/2051 (E)	360,000	394,932
Bunker Hill Loan Depository Trust		
Series 2019-1, Class A1,		
3.613%, 10/26/2048 (D)	544,122	557,950
Series 2019-2, Class A1,		
2.879%, 07/25/2049 (D)	973,127	992,550
CD Mortgage Trust		
Series 2016-CD1, Class A1,		
1.443%, 08/10/2049	137,989	138,050
Series 2017-CD4, Class A4,		
3.514%, 05/10/2050 (E)	576,000	640,671
Series 2017-CD4, Class ASB,		
3.317%, 05/10/2050	508,000	546,294
Series 2017-CD6, Class ASB,		
3.332%, 11/13/2050	1,197,000	1,291,789
CFCRE Commercial Mortgage Trust		
Series 2016-C3, Class A1,		
1.793%, 01/10/2048	125,186	125,303
Series 2017-C8, Class A1,		
1.965%, 06/15/2050	78,653	78,648
Series 2017-C8, Class ASB,		
3.367%, 06/15/2050	529,000	567,549
COLT Mortgage Loan Trust		
Series 2019-1, Class A1,		
3.705%, 03/25/2049 (D)(E)	361,457	365,120
Series 2019-2, Class A1,		
3.337%, 05/25/2049 (D)(E)	684,840	692,985
Series 2019-4, Class A1,		
2.579%, 11/25/2049 (D)(E)	827,430	835,580
Series 2020-2, Class A1,		
1.853%, 03/25/2065 (D)(E)	826,618	827,462
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2015-LC21, Class A4,		
3.708%, 07/10/2048	304,000	334,091
Series 2015-LC23, Class A4,		
3.774%, 10/10/2048	609,000	674,032
Series 2016-COR1, Class ASB,		
2.972%, 10/10/2049	505,000	532,147
CSAIL Commercial Mortgage Trust		
Series 2015-C2, Class A4,		
3.504%, 06/15/2057	563,000	608,558
Series 2015-C4, Class A4,		
3.808%, 11/15/2048	772,000	850,862
Series 2016-C5, Class ASB,		
3.533%, 11/15/2048	261,000	276,472

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
DBJPM Mortgage Trust		
Series 2017-C6, Class ASB		
3.121%, 06/10/2050	\$ 298,000	\$ 317,588
GCAT LLC		
Series 2019-NQM1, Class A1		
2.985%, 02/25/2059 (D)	353,585	368,352
GS Mortgage Securities Trust		
Series 2012-GCJ7, Class AAB,		
2.935%, 05/10/2045	30,717	30,799
Series 2014-GC18, Class A3,		
3.801%, 01/10/2047	405,501	431,928
Series 2015-GC28, Class A5,		
3.396%, 02/10/2048	598,000	642,960
Series 2015-GC34, Class A4,		
3.506%, 10/10/2048	617,000	673,982
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust		
Series 2010-1, Class A1		
5.314%, 01/25/2051 (D)	1,166,699	1,250,181
JPMBB Commercial Mortgage Securities Trust		
Series 2014-C23, Class A4,		
3.670%, 09/15/2047	567,000	610,829
Series 2014-C26, Class A4,		
3.494%, 01/15/2048	589,000	636,874
Series 2015-C28, Class A3,		
2.912%, 10/15/2048	1,658,651	1,737,935
Series 2015-C29, Class A4,		
3.611%, 05/15/2048	456,000	496,845
Series 2015-C33, Class A4,		
3.770%, 12/15/2048	300,000	332,205
JPMCC Commercial Mortgage Securities Trust		
Series 2017-JP6, Class ASB		
3.283%, 07/15/2050	563,000	605,554
JPMDB Commercial Mortgage Securities Trust		
Series 2017-C5, Class ASB,		
3.492%, 03/15/2050	202,000	217,599
Series 2018-C8, Class ASB,		
4.145%, 06/15/2051	561,000	631,103
Series 2020-COR7, Class A5,		
2.180%, 05/13/2053	502,000	518,002
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2013-C10, Class A4,		
4.218%, 07/15/2046 (E)	100,000	107,279
Series 2015-C20, Class A4,		
3.249%, 02/15/2048	158,000	167,717
Series 2015-C25, Class ASB,		
3.383%, 10/15/2048	316,000	332,167
Series 2015-C27, Class A4,		
3.753%, 12/15/2047	151,000	166,911
Morgan Stanley Capital I Trust		
Series 2016-UB11, Class A1,		
1.445%, 08/15/2049	262,144	262,114
Series 2016-UB11, Class ASB,		
2.606%, 08/15/2049	579,000	600,745
New Residential Mortgage Loan Trust		
Series 2019-NQM2, Class A1,		
3.600%, 04/25/2049 (D)(E)	472,886	482,243
Series 2019-NQM4, Class A1,		
2.492%, 09/25/2059 (D)(E)	764,304	769,594

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
SG Residential Mortgage Trust Series 2019-3, Class A1 2.703%, 09/25/2059 (D)(E)	\$ 782,218	\$ 788,704
Starwood Mortgage Residential Trust Series 2019-INV1, Class A1, 2.610%, 09/27/2049 (D)(E)	842,613	845,292
Series 2020-1, Class A1, 2.275%, 02/25/2050 (D)(E)	1,483,758	1,496,217
Verus Securitization Trust Series 2019-1, Class A1, 3.836%, 02/25/2059 (D)(E)	366,881	374,009
Series 2019-2, Class A1, 3.211%, 05/25/2059 (D)(E)	1,335,558	1,361,912
Series 2019-3, Class A1, 2.784%, 07/25/2059 (D)	1,622,562	1,654,671
Series 2019-4, Class A1, 2.642%, 11/25/2059 (D)	2,299,034	2,336,540
Series 2019-INV1, Class A1, 3.402%, 12/25/2059 (D)(E)	692,521	708,313
Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (D)(E)	865,760	880,950
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (D)(E)	515,398	521,574
Series 2020-1, Class A1, 2.417%, 01/25/2060 (D)(E)	2,450,337	2,484,186
Series 2020-2, Class A1, 2.226%, 05/25/2060 (D)(E)	1,170,453	1,179,509
Visio Trust Series 2019-1, Class A1 3.572%, 06/25/2054 (D)(E)	448,134	453,985
		40,211,880
<b>U.S. Government Agency – 5.2%</b>		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	2,721,168	2,943,398
Series 343, Class F4 (1 month LIBOR + 0.350%), 2.852%, 10/15/2037 (B)	965,354	961,239
Series 4205, Class PA, 1.750%, 05/15/2043	667,204	687,554
Series 4426, Class QC, 1.750%, 07/15/2037	1,100,753	1,136,832
Series 4705, Class A, 4.500%, 09/15/2042	970,929	1,008,099
Series 4742, Class PA, 3.000%, 10/15/2047	3,862,873	4,102,256
Series 4763, Class CA, 3.000%, 09/15/2038	318,449	343,385
Series 4767, Class KA, 3.000%, 03/15/2048	986,473	1,068,515
Series 4786, Class DP, 4.500%, 07/15/2042	439,327	444,704
Series 4846, Class PF (1 month LIBOR + 0.350%), 0.535%, 12/15/2048 (B)	305,230	305,011
Series 4880, Class DA, 3.000%, 05/15/2050	1,419,466	1,522,578
Series 4988, Class AF (1 month LIBOR + 0.350%), 0.540%, 10/15/2037 (B)	3,179,000	3,172,552
Federal National Mortgage Association Series 2012-151, Class NX, 1.500%, 01/25/2043	856,428	883,647

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2013-11, Class AP, 1.500%, 01/25/2043	\$ 2,095,764	\$ 2,140,381
Series 2013-30, Class CA, 1.500%, 04/25/2043	331,213	338,106
Series 2013-43, Class BP, 1.750%, 05/25/2043	954,782	992,120
Series 2014-73, Class MA, 2.500%, 11/25/2044	567,505	604,750
Series 2015-84, Class PA, 1.700%, 08/25/2033	2,717,794	2,808,490
Series 2016-48, Class MA, 2.000%, 06/25/2038	3,575,151	3,702,180
Series 2016-57, Class PC, 1.750%, 06/25/2046	5,080,006	5,244,594
Series 2017-13, Class PA, 3.000%, 08/25/2046	1,088,577	1,164,636
Series 2017-42, Class H, 3.000%, 11/25/2043	695,452	719,696
Series 2017-M7, Class A2, 2.961%, 02/25/2027 (E)	423,000	468,639
Series 2018-14, Class KC, 3.000%, 03/25/2048	1,712,643	1,845,148
Series 2018-15, Class AB, 3.000%, 03/25/2048	400,813	431,604
Series 2018-8, Class KL, 2.500%, 03/25/2047	1,313,801	1,376,818
Series 2019-25, Class PA, 3.000%, 05/25/2048	1,608,510	1,728,258
Series 2019-35, Class A, 3.000%, 07/25/2049	804,339	847,022
Series 2019-35, Class MB, 3.000%, 07/25/2049	1,216,810	1,306,063
Series 414, Class A35, 3.500%, 10/25/2042	2,721,447	2,901,268
Government National		
Mortgage Association		
Series 2012-141, Class WA, 4.534%, 11/16/2041 (E)	299,695	331,428
Series 2017-167, Class BQ, 2.500%, 08/20/2044	1,305,778	1,352,583
Series 2019-132, Class NA, 3.500%, 09/20/2049	1,209,596	1,258,114
Series 2019-31, Class JC, 3.500%, 03/20/2049	1,002,414	1,058,154
		51,199,822
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b>		
(Cost \$87,914,653)		\$ 91,411,702
<b>ASSET BACKED SECURITIES – 9.7%</b>		
Avis Budget Rental Car Funding		
AESOP LLC		
Series 2017-1A, Class A 3.070%, 09/20/2023 (D)	637,000	639,234
Series 2019-3A, Class A 2.360%, 03/20/2026 (D)	678,000	668,506
Capital One Multi-Asset Execution Trust		
Series 2016-A2, Class A2 (1 month LIBOR + 0.630%) 0.815%, 02/15/2024 (B)	1,432,000	1,437,491
CNH Equipment Trust		
Series 2020-A, Class A3 1.160%, 06/16/2025	790,000	797,354

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
CNH Equipment Trust (continued)		
Series 2020-A, Class A4 1.510%, 04/15/2027	\$ 222,000	\$ 225,527
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month LIBOR + 1.650%) 1.835%, 11/26/2046 (B)(D)	668,251	663,016
Series 2018-A, Class A2 4.130%, 12/26/2047 (D)	426,868	463,534
Series 2019-A, Class A2 3.280%, 12/28/2048 (D)	423,938	443,203
Ford Credit Auto Owner Trust		
Series 2018-1, Class A 3.190%, 07/15/2031 (D)	3,375,000	3,614,004
Series 2018-2, Class A 3.470%, 01/15/2030 (D)	2,117,000	2,240,385
Series 2019-1, Class A 3.520%, 07/15/2030 (D)	2,218,000	2,372,743
Series 2020-1, Class A 2.040%, 08/15/2031 (D)	2,664,000	2,706,951
Series 2020-A, Class A3 1.040%, 08/15/2024	1,163,000	1,175,101
Series 2020-A, Class A4 1.350%, 07/15/2025	382,000	389,730
Series 2020-B, Class A4 0.790%, 11/15/2025	1,026,000	1,025,976
GM Financial Automobile Leasing Trust		
Series 2020-2, Class A3 0.800%, 07/20/2023	658,000	659,070
Series 2020-2, Class A4 1.010%, 07/22/2024	190,000	190,813
GM Financial Consumer Automobile Receivables Trust		
Series 2020-2, Class A3 1.490%, 12/16/2024	298,000	304,616
Series 2020-2, Class A4 1.740%, 08/18/2025	299,000	308,965
Honda Auto Receivables Owner Trust		
Series 2020-2, Class A3 0.820%, 07/15/2024	1,379,000	1,388,339
Series 2020-2, Class A4 1.090%, 10/15/2026	471,000	477,384
Mercedes-Benz Auto Receivables Trust		
Series 2020-1, Class A3 0.550%, 02/18/2025	1,275,000	1,275,495
Series 2020-1, Class A4 0.770%, 10/15/2026	336,000	336,683
Navient Private Education Loan Trust		
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%) 2.335%, 12/15/2045 (B)(D)	507,689	514,378
Series 2018-BA, Class A2A 3.610%, 12/15/2059 (D)	466,366	476,885
Navient Private Education Refi Loan Trust		
Series 2018-A, Class A2 3.190%, 02/18/2042 (D)	477,240	488,467
Series 2018-CA, Class A2 3.520%, 06/16/2042 (D)	501,000	516,991
Series 2018-DA, Class A2A 4.000%, 12/15/2059 (D)	1,994,000	2,099,452
Series 2019-CA, Class A2 3.130%, 02/15/2068 (D)	1,289,000	1,329,858
Series 2019-D, Class A2A 3.010%, 12/15/2059 (D)	1,915,000	1,979,328
Series 2019-FA, Class A2 2.600%, 08/15/2068 (D)	2,212,000	2,272,770

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Navient Private Education Refi Loan Trust (continued)		
Series 2019-GA, Class A 2.400%, 10/15/2068 (D)	\$ 1,907,351	\$ 1,944,677
Series 2020-A, Class A2A 2.460%, 11/15/2068 (D)	1,033,000	1,056,496
Series 2020-A, Class A2B (1 month LIBOR + 0.900%) 1.085%, 11/15/2068 (B)(D)	895,000	875,294
Series 2020-BA, Class A2 2.120%, 01/15/2069 (D)	799,000	811,608
Series 2020-CA, Class A2A 2.150%, 11/15/2068 (D)	766,000	775,181
Series 2020-DA, Class A 1.690%, 05/15/2069 (D)	818,000	821,113
Navient Student Loan Trust		
Series 2014-1, Class A3 (1 month LIBOR + 0.510%) 0.695%, 06/25/2031 (B)	848,582	815,829
Series 2016-3A, Class A2 (1 month LIBOR + 0.850%) 1.035%, 06/25/2065 (B)(D)	113,849	113,871
Series 2018-EA, Class A2 4.000%, 12/15/2059 (D)	1,329,000	1,384,347
Series 2019-BA, Class A2A 3.390%, 12/15/2059 (D)	1,568,000	1,622,676
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (3 month LIBOR + 0.180%) 1.171%, 10/27/2036 (B)	1,263,098	1,236,774
Series 2004-4, Class A5 (3 month LIBOR + 0.160%) 1.151%, 01/25/2037 (B)	1,322,354	1,272,041
Series 2005-1, Class A5 (3 month LIBOR + 0.110%) 1.101%, 10/25/2033 (B)	4,216,572	3,991,273
Series 2005-2, Class A5 (3 month LIBOR + 0.100%) 0.406%, 03/23/2037 (B)	4,892,599	4,632,000
Series 2005-3, Class A5 (3 month LIBOR + 0.120%) 0.426%, 12/24/2035 (B)	2,998,207	2,867,956
Series 2005-4, Class A4 (3 month LIBOR + 0.180%) 0.486%, 03/22/2032 (B)	641,585	597,146
Series 2012-2A, Class A (1 month LIBOR + 0.800%) 0.985%, 12/26/2033 (B)(D)	453,215	447,606
Series 2014-1A, Class A (1 month LIBOR + 0.570%) 0.755%, 09/25/2041 (B)(D)	386,293	371,458
Santander Drive Auto Receivables Trust		
Series 2020-1, Class A3 2.030%, 02/15/2024	383,000	390,067
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (D)	2,253,000	2,356,159
SLC Student Loan Trust		
Series 2008-1, Class A4A (3 month LIBOR + 1.600%) 1.913%, 12/15/2032 (B)	606,749	599,460
SLM Student Loan Trust		
Series 2003-1, Class A5C (3 month LIBOR + 0.750%) 1.063%, 12/15/2032 (B)(D)	766,389	707,671

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
SLM Student Loan Trust (continued)		
Series 2007-2, Class A4 (3 month LIBOR + 0.060%)		
1.051%, 07/25/2022 (B)	\$ 2,502,368	\$ 2,329,258
Series 2010-1, Class A (1 month LIBOR + 0.400%)		
0.585%, 03/25/2025 (B)	915,591	846,806
Series 2012-1, Class A3 (1 month LIBOR + 0.950%)		
1.135%, 09/25/2028 (B)	2,205,633	2,090,588
Series 2012-2, Class A (1 month LIBOR + 0.700%)		
0.885%, 01/25/2029 (B)	1,881,806	1,748,108
Series 2012-6, Class A3 (1 month LIBOR + 0.750%)		
0.935%, 05/26/2026 (B)	1,219,515	1,124,820
SMB Private Education Loan Trust		
Series 2015-A, Class A2B (1 month LIBOR + 1.000%)		
1.185%, 06/15/2027 (B)(D)	868,798	864,480
Series 2015-B, Class A2B (1 month LIBOR + 1.200%)		
1.385%, 07/15/2027 (B)(D)	823,958	822,785
Series 2015-C, Class A2B (1 month LIBOR + 1.400%)		
1.585%, 07/15/2027 (B)(D)	276,340	277,212
Series 2016-A, Class A2A		
2.700%, 05/15/2031 (D)	1,321,511	1,351,406
Series 2016-B, Class A2A		
2.430%, 02/17/2032 (D)	197,731	202,063
Series 2016-C, Class A2B (1 month LIBOR + 1.100%)		
1.285%, 09/15/2034 (B)(D)	672,929	667,731
Series 2018-C, Class A2A		
3.630%, 11/15/2035 (D)	273,350	286,400
Series 2020-PTA, Class A2A		
1.600%, 09/15/2054 (D)	4,185,000	4,126,779
SoFi Professional Loan Program LLC		
Series 2016-A, Class A2		
2.760%, 12/26/2036 (D)	415,493	417,832
Series 2016-E, Class A1 (1 month LIBOR + 0.850%)		
1.035%, 07/25/2039 (B)(D)	130,919	130,489
Series 2017-A, Class A1 (1 month LIBOR + 0.700%)		
0.885%, 03/26/2040 (B)(D)	147,073	145,970
Series 2017-D, Class A2FX		
2.650%, 09/25/2040 (D)	105,363	108,018
Series 2017-E, Class A1 (1 month LIBOR + 0.500%)		
0.685%, 11/26/2040 (B)(D)	91,887	91,680
Series 2017-E, Class A2B		
2.720%, 11/26/2040 (D)	2,240,000	2,279,056
Series 2018-A, Class A2B		
2.950%, 02/25/2042 (D)	565,000	579,168
Series 2020-A, Class A2FX		
2.540%, 05/15/2046 (D)	1,794,000	1,858,952
Series 2020-C, Class AFX		
1.950%, 02/15/2046 (D)	1,655,000	1,679,440
Toyota Auto Loan Extended Note Trust		
Series 2020-1A, Class A		
1.350%, 05/25/2033 (D)	4,847,000	4,919,456
Toyota Auto Receivables Owner Trust		
Series 2020-B, Class A3		
1.360%, 08/15/2024	916,000	933,168

## Core Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Verizon Owner Trust		
Series 2019-C, Class A1A		
1.940%, 04/22/2024	\$ 815,000	\$ 836,117
Series 2020-A, Class A1A		
1.850%, 07/22/2024	1,864,000	1,913,042
Volkswagen Auto Loan Enhanced Trust		
Series 2020-1, Class A3		
0.980%, 11/20/2024	997,000	1,006,837
Series 2020-1, Class A4		
1.260%, 08/20/2026	373,000	379,445
<b>TOTAL ASSET BACKED SECURITIES</b>		
(Cost \$96,870,090)		\$ 97,190,058
<b>SHORT-TERM INVESTMENTS – 3.9%</b>		
<b>Short-term funds – 3.9%</b>		
John Hancock Collateral Trust,		
0.2429% (F)(G)	541,841	5,424,535
State Street Institutional		
U.S. Government Money Market		
Fund, Premier Class, 0.1158% (F)	33,546,955	33,546,955
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$38,971,559)</b>		\$ 38,971,490
<b>Total Investments (Core Bond Trust)</b>		
<b>(Cost \$1,088,608,236) – 112.6%</b>		\$ 1,122,071,676
<b>Other assets and liabilities, net – (12.6%)</b>		(125,186,006)
<b>TOTAL NET ASSETS – 100.0%</b>		\$ 996,885,670

### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	All or a portion of this security is on loan as of 6-30-20.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$147,359,276 or 14.8% of the fund's net assets as of 6-30-20.
(E)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(F)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

## High Yield Trust

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.7%</b>		
<b>Argentina – 0.4%</b>		
Provincia de Buenos Aires		
7.875%, 06/15/2027	\$ 680,000	\$ 278,807
Republic of Argentina		
5.625%, 01/26/2022	230,000	95,335
6.875%, 04/22/2021 to 01/26/2027	530,000	216,360
7.500%, 04/22/2026	200,000	81,000

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Argentina (continued)</b>		
Republic of Argentina (continued)		
7.625%, 04/22/2046	\$ 200,000	\$ 78,000
		749,502
<b>Brazil – 0.3%</b>		
Federative Republic of Brazil		
10.000%, 01/01/2021 to 01/01/2027	BRL 2,634,000	549,152
<b>Indonesia – 0.0%</b>		
Republic of Indonesia		
8.375%, 03/15/2034	IDR 74,000,000	5,445
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b> (Cost \$2,692,117)		\$ 1,304,099
<b>CORPORATE BONDS – 85.3%</b>		
<b>Communication services – 16.2%</b>		
Allen Media LLC		
10.500%, 02/15/2028 (A)	\$ 810,000	741,677
Altice France Holding SA		
10.500%, 05/15/2027 (A)	240,000	264,372
Altice France SA		
7.375%, 05/01/2026 (A)	2,660,000	2,776,853
CCO Holdings LLC		
4.500%, 08/15/2030 to 05/01/2032 (A)	940,000	956,710
5.125%, 05/01/2027 (A)	1,060,000	1,096,676
CenturyLink, Inc.		
4.000%, 02/15/2027 (A)	420,000	406,531
5.625%, 04/01/2025	250,000	258,500
Charter Communications Operating LLC		
6.484%, 10/23/2045	450,000	597,889
Cogent Communications Group, Inc.		
5.375%, 03/01/2022 (A)	770,000	792,138
CSC Holdings LLC		
4.125%, 12/01/2030 (A)	490,000	485,742
5.375%, 07/15/2023 (A)	440,000	446,248
6.500%, 02/01/2029 (A)	800,000	874,000
DISH DBS Corp.		
5.875%, 11/15/2024	840,000	835,019
7.750%, 07/01/2026 (B)	1,770,000	1,876,395
Dolya Holdco 18 DAC		
5.000%, 07/15/2028 (A)	470,000	463,984
iHeartCommunications, Inc.		
4.750%, 01/15/2028 (A)	580,000	535,050
5.250%, 08/15/2027 (A)	660,000	631,950
Intelsat Jackson Holdings SA		
8.000%, 02/15/2024 (A)(B)(C)	560,000	567,941
Lions Gate Capital Holdings LLC		
5.875%, 11/01/2024 (A)	1,010,000	964,550
Match Group, Inc.		
4.625%, 06/01/2028 (A)	610,000	616,802
5.000%, 12/15/2027 (A)	370,000	385,004
Netflix, Inc.		
4.375%, 11/15/2026	650,000	676,111
4.875%, 06/15/2030 (A)	150,000	160,256
5.375%, 11/15/2029 (A)	540,000	593,104
6.375%, 05/15/2029	700,000	815,500
Sirius XM Radio, Inc.		
4.625%, 07/15/2024 (A)	230,000	236,113
Sprint Capital Corp.		
8.750%, 03/15/2032	265,000	378,815
Sprint Communications, Inc.		
11.500%, 11/15/2021	470,000	520,525
Sprint Corp.		
7.250%, 09/15/2021	750,000	786,263
7.625%, 02/15/2025	510,000	588,413
7.875%, 09/15/2023	2,170,000	2,443,963

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
TEGNA, Inc.		
5.000%, 09/15/2029 (A)	\$ 410,000	\$ 386,302
Telecom Italia SpA		
5.303%, 05/30/2024 (A)	800,000	833,016
Time Warner Cable LLC		
7.300%, 07/01/2038	440,000	609,234
T-Mobile USA, Inc.		
6.000%, 04/15/2024	60,000	61,302
Twitter, Inc.		
3.875%, 12/15/2027 (A)	440,000	440,044
Univision Communications, Inc.		
5.125%, 02/15/2025 (A)(B)	290,000	273,145
9.500%, 05/01/2025 (A)	580,000	614,800
UPC Holding BV		
5.500%, 01/15/2028 (A)	430,000	414,563
Virgin Media Secured Finance PLC		
5.500%, 08/15/2026 to 05/15/2029 (A)	1,810,000	1,861,735
		29,267,235
<b>Consumer discretionary – 16.3%</b>		
American Axle & Manufacturing, Inc.		
6.500%, 04/01/2027	621,000	602,755
American News Company LLC (8.500% Cash or 10.000% PIK) 8.500%, 09/01/2026 (A)	895,199	984,719
Boyne USA, Inc.		
7.250%, 05/01/2025 (A)	960,000	1,005,600
Brinker International, Inc.		
5.000%, 10/01/2024 (A)	310,000	289,540
Carriage Services, Inc.		
6.625%, 06/01/2026 (A)	640,000	672,800
Century Communities, Inc.		
5.875%, 07/15/2025	1,040,000	1,034,800
Colt Merger Sub, Inc.		
6.250%, 07/01/2025 (A)	550,000	545,710
ESH Hospitality, Inc.		
4.625%, 10/01/2027 (A)	10,000	9,400
5.250%, 05/01/2025 (A)	560,000	541,800
Fontainebleau Las Vegas Holdings LLC		
10.250%, 06/15/2015 (A)(C)	3,600,425	360
Ford Motor Company		
8.500%, 04/21/2023	20,000	21,150
9.000%, 04/22/2025	970,000	1,048,813
Ford Motor Credit Company LLC		
3.087%, 01/09/2023	1,100,000	1,045,682
3.096%, 05/04/2023	710,000	672,867
5.125%, 06/16/2025	460,000	461,049
frontdoor, Inc.		
6.750%, 08/15/2026 (A)	610,000	648,125
Golden Nugget, Inc.		
8.750%, 10/01/2025 (A)	740,000	418,100
Hanesbrands, Inc.		
4.625%, 05/15/2024 (A)	510,000	507,450
4.875%, 05/15/2026 (A)(B)	450,000	453,375
5.375%, 05/15/2025 (A)	170,000	171,913
Hilton Domestic Operating Company, Inc.		
5.375%, 05/01/2025 (A)	370,000	368,613
5.750%, 05/01/2028 (A)	510,000	515,100
Hilton Worldwide Finance LLC		
4.625%, 04/01/2025	270,000	263,982
Installed Building Products, Inc.		
5.750%, 02/01/2028 (A)	410,000	410,000
International Game Technology PLC		
5.250%, 01/15/2029 (A)	660,000	641,850

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
IRB Holding Corp. 7.000%, 06/15/2025 (A)	\$ 340,000	\$ 349,775
L Brands, Inc. 5.250%, 02/01/2028	1,020,000	806,990
6.875%, 07/01/2025 (A)	260,000	268,450
7.500%, 06/15/2029	160,000	139,600
9.375%, 07/01/2025 (A)	340,000	340,425
Lennar Corp. 4.750%, 11/29/2027	230,000	249,550
5.875%, 11/15/2024	810,000	885,128
Levi Strauss & Company 5.000%, 05/01/2025 (B)	690,000	692,594
Melco Resorts Finance, Ltd. 5.375%, 12/04/2029 (A)	340,000	338,178
MGM Resorts International 6.000%, 03/15/2023	610,000	616,100
Michaels Stores, Inc. 8.000%, 07/15/2027 (A)(B)	310,000	269,427
Mohegan Gaming & Entertainment 7.875%, 10/15/2024 (A)	900,000	747,000
NCL Corp., Ltd. 3.625%, 12/15/2024 (A)	390,000	238,875
12.250%, 05/15/2024 (A)	730,000	763,544
Newell Brands, Inc. 4.875%, 06/01/2025	330,000	345,602
Party City Holdings, Inc. 6.625%, 08/01/2026 (A)	640,000	137,600
PetSmart, Inc. 8.875%, 06/01/2025 (A)(B)	260,000	259,990
Sands China, Ltd. 5.400%, 08/08/2028	200,000	220,756
Scientific Games International, Inc. 7.000%, 05/15/2028 (A)	630,000	504,000
Service Corp. International 5.125%, 06/01/2029	400,000	430,400
5.375%, 05/15/2024	230,000	234,313
7.500%, 04/01/2027	480,000	544,800
Silversea Cruise Finance, Ltd. 7.250%, 02/01/2025 (A)	512,000	482,560
Speedway Motorsports LLC 4.875%, 11/01/2027 (A)	320,000	291,200
Sugarhouse HSP Gaming Prop Mezz LP 5.875%, 05/15/2025 (A)	270,000	263,250
Taylor Morrison Communities, Inc. 5.875%, 01/31/2025 (A)	50,000	50,750
6.000%, 09/01/2023 (A)	390,000	398,775
The ServiceMaster Company LLC 5.125%, 11/15/2024 (A)	550,000	557,563
The William Carter Company 5.500%, 05/15/2025 (A)	200,000	206,250
5.625%, 03/15/2027 (A)	330,000	339,900
TopBuild Corp. 5.625%, 05/01/2026 (A)	510,000	515,100
Viking Cruises, Ltd. 5.875%, 09/15/2027 (A)	390,000	232,194
13.000%, 05/15/2025 (A)	910,000	960,050
VOC Escrow, Ltd. 5.000%, 02/15/2028 (A)	1,525,000	1,132,313
WW International, Inc. 8.625%, 12/01/2025 (A)(B)	650,000	669,500
Wynn Macau, Ltd. 5.125%, 12/15/2029 (A)(B)	260,000	252,200
Wynn Resorts Finance LLC 7.750%, 04/15/2025 (A)(B)	480,000	483,456
		29,553,711

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples – 2.3%</b>		
Cott Holdings, Inc. 5.500%, 04/01/2025 (A)	\$ 430,000	\$ 432,189
Kraft Heinz Foods Company 3.875%, 05/15/2027 (A)	30,000	31,344
4.250%, 03/01/2031 (A)	160,000	169,606
5.200%, 07/15/2045	450,000	487,846
5.500%, 06/01/2050 (A)	470,000	500,822
Lamb Weston Holdings, Inc. 4.875%, 11/01/2026 to 05/15/2028 (A)	790,000	820,591
Sally Holdings LLC 5.625%, 12/01/2025	510,000	495,536
Simmons Foods, Inc. 5.750%, 11/01/2024 (A)	790,000	750,500
Spectrum Brands, Inc. 5.000%, 10/01/2029 (A)	230,000	227,125
6.125%, 12/15/2024	230,000	236,325
		4,151,884
<b>Energy – 10.2%</b>		
Antero Midstream Partners LP 5.375%, 09/15/2024	290,000	247,077
Apache Corp. 5.100%, 09/01/2040	550,000	451,728
Berry Petroleum Company LLC 7.000%, 02/15/2026 (A)	450,000	364,500
Blue Racer Midstream LLC 6.625%, 07/15/2026 (A)	670,000	596,300
Cenovus Energy, Inc. 3.000%, 08/15/2022 (B)	470,000	450,193
5.400%, 06/15/2047	50,000	42,910
6.750%, 11/15/2039	130,000	127,900
Comstock Resources, Inc. 7.500%, 05/15/2025 (A)	420,000	380,625
9.750%, 08/15/2026	350,000	326,813
Continental Resources, Inc. 3.800%, 06/01/2024	210,000	198,116
4.375%, 01/15/2028 (B)	250,000	220,055
DCP Midstream Operating LP 6.450%, 11/03/2036 (A)	280,000	252,000
6.750%, 09/15/2037 (A)	590,000	529,401
Endeavor Energy Resources LP 5.500%, 01/30/2026 (A)	140,000	134,050
5.750%, 01/30/2028 (A)	150,000	144,000
6.625%, 07/15/2025 (A)	320,000	322,502
EQM Midstream Partners LP 4.000%, 08/01/2024	120,000	113,675
5.500%, 07/15/2028	560,000	533,400
6.000%, 07/01/2025 (A)	240,000	242,400
6.500%, 07/01/2027 (A)	220,000	225,353
6.500%, 07/15/2048	240,000	219,072
EQT Corp. 6.125%, 02/01/2025 (B)	640,000	637,773
MEG Energy Corp. 7.000%, 03/31/2024 (A)	228,000	195,510
7.125%, 02/01/2027 (A)	1,120,000	931,000
Montage Resources Corp. 8.875%, 07/15/2023	730,000	576,700
NGPL PipeCo LLC 4.375%, 08/15/2022 (A)	380,000	391,940
4.875%, 08/15/2027 (A)	260,000	285,673
7.768%, 12/15/2037 (A)	500,000	610,099
Oasis Petroleum, Inc. 6.875%, 03/15/2022	440,000	72,600
6.875%, 01/15/2023 (B)	747,000	124,656
Occidental Petroleum Corp. 2.700%, 02/15/2023	380,000	346,275

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Occidental Petroleum Corp. (continued) 2.900%, 08/15/2024	\$ 740,000	\$ 632,700
Occidental Petroleum Corp. (3 month LIBOR + 1.450%) 1.842%, 08/15/2022 (D)	130,000	119,625
Petrobras Global Finance BV 5.750%, 02/01/2029	100,000	102,801
6.850%, 06/05/2115	410,000	406,884
Precision Drilling Corp. 7.125%, 01/15/2026 (A)(B)	660,000	402,600
Range Resources Corp. 5.000%, 03/15/2023 (B)	470,000	400,675
9.250%, 02/01/2026 (A)	210,000	188,803
Shelf Drilling Holdings, Ltd. 8.250%, 02/15/2025 (A)	860,000	387,000
The Williams Companies, Inc. 7.500%, 01/15/2031	780,000	999,004
8.750%, 03/15/2032	120,000	177,900
Vesta Energy Corp. 8.125%, 07/24/2023 (A)	CAD 490,000	184,075
Viper Energy Partners LP 5.375%, 11/01/2027 (A)	\$ 210,000	205,993
Western Midstream Operating LP 3.100%, 02/01/2025	1,080,000	1,021,918
3.950%, 06/01/2025	110,000	103,039
4.000%, 07/01/2022	520,000	518,336
5.500%, 08/15/2048	580,000	469,800
WPX Energy, Inc. 5.250%, 10/15/2027	360,000	336,308
5.875%, 06/15/2028	570,000	545,775
8.250%, 08/01/2023	870,000	965,700
		18,463,232
<b>Financials – 8.6%</b>		
Allied Universal Holdco LLC 6.625%, 07/15/2026 (A)	1,160,000	1,218,000
Ally Financial, Inc. 8.000%, 11/01/2031	80,000	103,202
Banco Mercantil del Norte SA (6.875% to 7-6-22, then 5 Year CMT + 5.035%) 07/06/2022 (A)(E)	200,000	191,000
Bank of America Corp. (5.875% to 3-15-28, then 3 month LIBOR + 2.931%) 03/15/2028 (E)	250,000	255,386
Barclays Bank PLC 7.625%, 11/21/2022	200,000	217,764
Barclays PLC (8.000% to 12-15-20, then 5 Year Euro Swap Rate + 6.750%) 12/15/2020 (E)	EUR 500,000	562,445
Barclays PLC (8.000% to 6-15-24, then 5 Year CMT + 5.672%) 06/15/2024 (E)	\$ 380,000	393,775
BNP Paribas SA (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%) 08/19/2025 (A)(E)	390,000	427,538
CIT Group, Inc. 5.250%, 03/07/2025	140,000	145,046
6.125%, 03/09/2028	190,000	205,200
Citigroup, Inc. (5.950% to 5-15-25, then 3 month LIBOR + 3.905%) 05/15/2025 (E)	220,000	218,460
Citigroup, Inc. (6.300% to 5-15-24, then 3 month LIBOR + 3.423%) 05/15/2024 (E)	410,000	410,713

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Credit Agricole SA (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.180%) 12/23/2025 (A)(E)	\$ 890,000	\$ 1,015,713
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (A)(E)	430,000	436,665
Credit Suisse Group AG (7.250% to 9-12-25, then 5 Year CMT + 4.332%) 09/12/2025 (A)(E)	200,000	205,500
DAE Funding LLC 5.750%, 11/15/2023 (A)	1,170,000	1,114,425
Diversified Healthcare Trust 9.750%, 06/15/2025	340,000	365,075
Donnelley Financial Solutions, Inc. 8.250%, 10/15/2024	590,000	581,203
Fidelity & Guaranty Life Holdings, Inc. 5.500%, 05/01/2025 (A)	440,000	475,631
FirstCash, Inc. 5.375%, 06/01/2024 (A)	530,000	532,650
HSBC Holdings PLC (6.375% to 3-30-25, then 5 Year ICE Swap Rate + 4.368%) 03/30/2025 (E)	200,000	205,376
HSBC Holdings PLC (6.500% to 3-23-28, then 5 Year ICE Swap Rate + 3.606%) 03/23/2028 (E)	530,000	543,913
Intesa Sanpaolo SpA 5.017%, 06/26/2024 (A)	200,000	204,932
INTL. FCStone, Inc. 8.625%, 06/15/2025 (A)	270,000	281,983
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (A)	460,000	368,000
Navient Corp. 5.875%, 03/25/2021	90,000	88,425
6.625%, 07/26/2021	210,000	205,800
NMI Holdings, Inc. 7.375%, 06/01/2025 (A)	650,000	680,147
Quicken Loans LLC 5.250%, 01/15/2028 (A)	880,000	915,200
The Royal Bank of Scotland Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.600%) 08/15/2021 (E)	1,180,000	1,226,905
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.340%) 01/31/2024 (A)(E)	550,000	571,313
UniCredit SpA (5.459% to 6-30-30, then 5 Year ICE Swap Rate + 4.750%) 06/30/2035 (A)	720,000	725,696
UniCredit SpA (7.296% to 4-2-29, then 5 Year ICE Swap Rate + 4.914%) 04/02/2034 (A)	490,000	552,601
		15,645,682
<b>Health care – 8.1%</b>		
Air Methods Corp. 8.000%, 05/15/2025 (A)	750,000	528,750
Bausch Health Americas, Inc. 9.250%, 04/01/2026 (A)	310,000	336,319
Bausch Health Companies, Inc. 5.500%, 11/01/2025 (A)	370,000	378,162
6.250%, 02/15/2029 (A)	1,460,000	1,467,300
9.000%, 12/15/2025 (A)	1,190,000	1,281,880
Centene Corp. 3.375%, 02/15/2030	220,000	222,136
5.375%, 06/01/2026 (A)	560,000	580,530

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Community Health Systems, Inc. 6.625%, 02/15/2025 (A)	\$ 810,000	\$ 761,400
8.000%, 03/15/2026 (A)	760,000	718,352
HCA, Inc. 5.625%, 09/01/2028	1,300,000	1,450,033
HLF Financing Sarl LLC 7.250%, 08/15/2026 (A)	470,000	472,350
Immucor, Inc. 11.125%, 02/15/2022 (A)	320,000	285,600
LifePoint Health, Inc. 4.375%, 02/15/2027 (A)	450,000	425,250
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (A)	620,000	636,244
Polaris Intermediate Corp. (8.500% Cash or 9.250% PIK) 8.500%, 12/01/2022 (A)(B)	510,000	448,800
Radiology Partners, Inc. 9.250%, 02/01/2028 (A)	660,000	622,050
RegionalCare Hospital Partners Holdings, Inc. 9.750%, 12/01/2026 (A)	400,000	408,000
Tenet Healthcare Corp. 4.625%, 06/15/2028 (A)	550,000	538,824
6.750%, 06/15/2023	850,000	843,625
7.500%, 04/01/2025 (A)	560,000	595,000
8.125%, 04/01/2022 (B)	10,000	10,500
Teva Pharmaceutical Finance Company LLC 6.150%, 02/01/2036 (B)	340,000	334,900
Teva Pharmaceutical Finance Netherlands III BV 7.125%, 01/31/2025 (A)	530,000	564,180
US Renal Care, Inc. 10.625%, 07/15/2027 (A)	650,000	669,500
		14,579,685
<b>Industrials – 9.3%</b>		
Ahern Rentals, Inc. 7.375%, 05/15/2023 (A)	130,000	62,400
Allison Transmission, Inc. 5.000%, 10/01/2024 (A)	210,000	209,475
Builders FirstSource, Inc. 5.000%, 03/01/2030 (A)	190,000	178,600
6.750%, 06/01/2027 (A)	230,000	235,463
BWX Technologies, Inc. 5.375%, 07/15/2026 (A)	410,000	422,456
CD&R Smokey Buyer, Inc. 6.750%, 07/15/2025 (A)	200,000	207,980
Clark Equipment Company 5.875%, 06/01/2025 (A)	260,000	265,850
Cleaver-Brooks, Inc. 7.875%, 03/01/2023 (A)	200,000	169,500
Covanta Holding Corp. 5.875%, 07/01/2025	560,000	567,000
Delta Air Lines, Inc. 3.800%, 04/19/2023	510,000	453,965
7.375%, 01/15/2026	570,000	551,417
FXI Holdings, Inc. 7.875%, 11/01/2024 (A)	570,000	490,200
GFL Environmental, Inc. 5.125%, 12/15/2026 (A)	140,000	144,900
8.500%, 05/01/2027 (A)	570,000	619,875
Global Aircraft Leasing Company, Ltd. (6.500% Cash or 7.250% PIK) 6.500%, 09/15/2024 (A)	2,050,000	1,373,500

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Mileage Plus Holdings LLC 6.500%, 06/20/2027 (A)	\$ 500,000	\$ 498,910
Navios Maritime Acquisition Corp. 8.125%, 11/15/2021 (A)	40,000	22,600
Park Aerospace Holdings, Ltd. 4.500%, 03/15/2023 (A)	830,000	757,222
5.250%, 08/15/2022 (A)	230,000	215,903
Park-Ohio Industries, Inc. 6.625%, 04/15/2027	120,000	98,400
Prime Security Services Borrower LLC 5.750%, 04/15/2026 (A)	840,000	870,450
6.250%, 01/15/2028 (A)	920,000	866,548
Sensata Technologies, Inc. 4.375%, 02/15/2030 (A)	340,000	336,600
Signature Aviation US Holdings, Inc. 5.375%, 05/01/2026 (A)	610,000	610,427
Standard Industries, Inc. 4.750%, 01/15/2028 (A)	420,000	425,775
The Boeing Company 5.150%, 05/01/2030	400,000	446,274
TransDigm, Inc. 6.250%, 03/15/2026 (A)	580,000	579,638
8.000%, 12/15/2025 (A)	200,000	210,198
United Airlines 2013-1 Class B Pass Through Trust 5.375%, 08/15/2021	286,959	271,345
United Airlines 2014-1 Class B Pass Through Trust 4.750%, 04/11/2022	76,303	67,363
United Rentals North America, Inc. 4.875%, 01/15/2028	640,000	656,000
5.250%, 01/15/2030	580,000	598,850
5.500%, 05/15/2027	650,000	669,500
Vertical Holdeco GmbH 7.625%, 07/15/2028 (A)	240,000	240,000
Vertical US Newco, Inc. 5.250%, 07/15/2027 (A)	720,000	720,000
Waste Pro USA, Inc. 5.500%, 02/15/2026 (A)	440,000	419,976
XPO CNW, Inc. 6.700%, 05/01/2034	730,000	750,221
XPO Logistics, Inc. 6.250%, 05/01/2025 (A)	490,000	513,275
		16,798,056
<b>Information technology – 3.7%</b>		
Alliance Data Systems Corp. 4.750%, 12/15/2024 (A)(B)	510,000	459,000
Amkor Technology, Inc. 6.625%, 09/15/2027 (A)	560,000	599,407
CDK Global, Inc. 4.875%, 06/01/2027	250,000	256,623
5.250%, 05/15/2029 (A)	30,000	31,153
5.875%, 06/15/2026	540,000	560,855
CDW LLC 4.250%, 04/01/2028	580,000	591,055
CommScope Technologies LLC 5.000%, 03/15/2027 (A)	180,000	162,126
CommScope, Inc. 8.250%, 03/01/2027 (A)(B)	1,260,000	1,294,902
Dell International LLC 7.125%, 06/15/2024 (A)(B)	360,000	372,938
Entegris, Inc. 4.375%, 04/15/2028 (A)	430,000	437,525
Fair Isaac Corp. 4.000%, 06/15/2028 (A)	350,000	350,875

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
j2 Cloud Services LLC		
6.000%, 07/15/2025 (A)	\$ 560,000	\$ 569,800
Level 3 Financing, Inc.		
5.250%, 03/15/2026	210,000	216,374
Microchip Technology, Inc.		
4.250%, 09/01/2025 (A)	350,000	352,884
Open Text Corp.		
3.875%, 02/15/2028 (A)	250,000	240,703
Open Text Holdings, Inc.		
4.125%, 02/15/2030 (A)	220,000	216,150
		6,712,370
<b>Materials – 6.1%</b>		
ArcelorMittal SA		
7.000%, 03/01/2041	470,000	549,689
ARD Finance SA (6.500% Cash or		
7.250% PIK) 6.500%, 06/30/2027 (A)	660,000	652,988
Ardagh Packaging Finance PLC		
5.250%, 08/15/2027 (A)	690,000	677,318
6.000%, 02/15/2025 (A)	1,070,000	1,095,413
BHP Billiton Finance USA, Ltd.		
(6.750% to 10-20-25, then 5 Year		
U.S. Swap Rate + 5.093%)		
10/19/2075 (A)	250,000	288,125
Cascades, Inc.		
5.375%, 01/15/2028 (A)	530,000	537,950
First Quantum Minerals, Ltd.		
6.875%, 03/01/2026 (A)	620,000	587,450
7.250%, 04/01/2023 (A)	210,000	201,556
7.500%, 04/01/2025 (A)	730,000	698,975
Flex Acquisition Company, Inc.		
7.875%, 07/15/2026 (A)	430,000	417,100
Freeport-McMoRan, Inc.		
3.550%, 03/01/2022	48,000	48,000
3.875%, 03/15/2023	160,000	160,208
5.450%, 03/15/2043	1,140,000	1,117,200
Greif, Inc.		
6.500%, 03/01/2027 (A)(B)	1,010,000	1,028,049
Hudbay Minerals, Inc.		
7.625%, 01/15/2025 (A)	890,000	852,175
Mercer International, Inc.		
7.375%, 01/15/2025	350,000	348,250
Midwest Vanadium Pty, Ltd.		
11.500%, 02/15/2018 (A)(C)	913,644	914
Northwest Acquisitions ULC		
7.125%, 11/01/2022 (A)(C)	950,000	9,738
Olin Corp.		
5.000%, 02/01/2030	420,000	371,700
Pactiv LLC		
7.950%, 12/15/2025	380,000	404,700
Summit Materials LLC		
5.125%, 06/01/2025 (A)	300,000	296,250
Teck Resources, Ltd.		
5.200%, 03/01/2042	670,000	656,907
		11,000,655
<b>Real estate – 4.1%</b>		
CoreCivic, Inc.		
4.625%, 05/01/2023	270,000	259,200
5.000%, 10/15/2022	250,000	245,000
Five Point Operating Company LP		
7.875%, 11/15/2025 (A)	1,410,000	1,332,450
Forestar Group, Inc.		
5.000%, 03/01/2028 (A)	630,000	617,400
8.000%, 04/15/2024 (A)	440,000	455,400
Iron Mountain, Inc.		
5.000%, 07/15/2028 (A)	700,000	683,375

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
MPT Operating Partnership LP		
4.625%, 08/01/2029	\$ 560,000	\$ 562,800
5.000%, 10/15/2027	340,000	349,350
Realogy Group LLC		
7.625%, 06/15/2025 (A)	620,000	618,450
The GEO Group, Inc.		
5.875%, 10/15/2024	750,000	589,275
6.000%, 04/15/2026	945,000	725,288
VICI Properties LP		
4.625%, 12/01/2029 (A)	930,000	906,750
		7,344,738
<b>Utilities – 0.4%</b>		
Talen Energy Supply LLC		
6.625%, 01/15/2028 (A)	410,000	401,288
10.500%, 01/15/2026 (A)	340,000	268,600
		669,888
<b>TOTAL CORPORATE BONDS</b>		
(Cost \$160,549,119)		\$ 154,187,136
<b>CONVERTIBLE BONDS – 0.7%</b>		
<b>Communication services – 0.4%</b>		
DISH Network Corp.		
2.375%, 03/15/2024	420,000	375,836
3.375%, 08/15/2026	110,000	101,048
Live Nation Entertainment, Inc.		
2.000%, 02/15/2025 (A)	220,000	187,138
Vonage Holdings Corp.		
1.750%, 06/01/2024	70,000	65,292
		729,314
<b>Energy – 0.1%</b>		
Cheniere Energy, Inc.		
4.250%, 03/15/2045	220,000	139,114
<b>Information technology – 0.2%</b>		
Vishay Intertechnology, Inc.		
2.250%, 06/15/2025	380,000	354,383
<b>TOTAL CONVERTIBLE BONDS</b>		
(Cost \$1,343,402)		\$ 1,222,811
<b>TERM LOANS (F) – 6.4%</b>		
<b>Communication services – 0.3%</b>		
Allen Media LLC, 2020 Term Loan B (3		
month LIBOR + 5.500%) 5.808%,		
02/10/2027	249,336	236,039
iHeartCommunications, Inc., 2020 Term		
Loan (1 month LIBOR + 3.000%)		
3.178%, 05/01/2026	351,985	323,534
Intelsat Jackson Holdings SA, 2020 DIP		
Term Loan (3 month LIBOR +		
5.500%) 6.500%, 07/14/2021	42,582	43,142
		602,715
<b>Consumer discretionary – 1.5%</b>		
CEOC LLC, Exit Term Loan (1 month		
LIBOR + 2.000%) 2.178%,		
10/07/2024	672,927	669,354
Clarios Global LP, USD Term Loan B (1		
month LIBOR + 3.500%) 3.678%,		
04/30/2026	476,400	452,580
Equinox Holdings, Inc., 2020 Term Loan		
B2 (3 month LIBOR + 9.000%)		
10.000%, 03/08/2024	380,000	374,300
Michaels Stores, Inc., 2018 Term Loan B		
(1 and 3 month LIBOR + 2.500%)		
3.534%, 01/30/2023	209,401	191,078

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (F) (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Mohegan Gaming & Entertainment, 2016 Term Loan B (3 month LIBOR + 4.375%) 5.375%, 10/13/2023	\$ 596,824	\$ 487,307
Spencer Spirit IH LLC, Term Loan B (1 month LIBOR + 6.000%) 6.180%, 06/19/2026	634,414	556,172
		2,730,791
<b>Energy – 0.2%</b>		
Chesapeake Energy Corp., 2019 Last Out Term Loan 0.000%, 06/24/2024 (C)	540,000	309,728
Permian Production Partners LLC, Term Loan 0.000%, 05/20/2024 (C)	446,500	22,325
		332,053
<b>Financials – 0.8%</b>		
Acrisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%) 3.678%, 02/15/2027	458,850	432,466
Amerilife Holdings LLC, 2020 Term Loan (1 month LIBOR + 4.000%) 4.173%, 03/18/2027	132,955	126,141
Duff + Phelps Corp., 2020 2nd Lien Term Loan (1 month LIBOR + 8.000%) 9.000%, 04/07/2028	520,000	492,700
Jane Street Group LLC, 2020 Term Loan (1 month LIBOR + 3.000%) 3.178%, 01/31/2025	326,696	317,202
		1,368,509
<b>Health care – 1.5%</b>		
Eyecare Partners LLC, 2020 2nd Lien Term Loan (3 month LIBOR + 8.250%) 8.558%, 02/18/2028	350,000	297,500
Eyecare Partners LLC, 2020 Term Loan (3 month LIBOR + 3.750%) 4.058%, 02/05/2027	404,392	363,043
McAfee LLC, 2018 USD Term Loan B (1 month LIBOR + 3.750%) 3.934%, 09/30/2024	364,768	354,332
Option Care Health, Inc., Term Loan B (1 month LIBOR + 4.500%) 4.678%, 08/06/2026	606,950	588,742
Radnet Management, Inc., Reprice Term Loan (6 month LIBOR + 3.750%) 4.750%, 06/30/2023	599,540	568,813
US Renal Care, Inc., 2019 Term Loan B (1 month LIBOR + 5.000%) 5.178%, 06/26/2026	453,308	435,112
		2,607,542
<b>Industrials – 1.6%</b>		
Cornerstone Building Brands, Inc., 2018 Term Loan (1 month LIBOR + 3.750%) 3.941%, 04/12/2025	548,800	520,674
Delta Air Lines, Inc., 2020 Term Loan B (3 month LIBOR + 4.750%) 5.750%, 04/29/2023	670,000	656,185
JetBlue Airways Corp., Term Loan (3 month LIBOR + 5.250%) 6.250%, 06/12/2024	560,000	547,400
Temple Generation I LLC, 2nd Lien Term Loan (1 month LIBOR + 8.000%) 9.000%, 02/07/2023	299,368	296,374

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (F) (continued)</b>		
<b>Industrials (continued)</b>		
United Airlines, Inc., 2020 Term Loan B 06/25/2027 TBD (G)	\$ 880,000	\$ 873,030
		2,893,663
<b>Information technology – 0.3%</b>		
Global Tel*Link Corp., 2018 1st Lien Term Loan (1 month LIBOR + 4.250%) 4.428%, 11/29/2025	662,842	569,335
<b>Real estate – 0.2%</b>		
CoreCivic, Inc., 2019 Term Loan (1 month LIBOR + 4.500%) 4.680%, 12/18/2024	429,000	422,565
<b>TOTAL TERM LOANS (Cost \$12,761,428)</b>		<b>\$ 11,527,173</b>
<b>ASSET BACKED SECURITIES – 3.3%</b>		
Benefit Street Partners CLO, Ltd. Series 2017-12A, Class C (3 month LIBOR + 3.050%) 4.269%, 10/15/2030 (A)(D)	250,000	223,209
BlueMountain CLO, Ltd. Series 2015-2A, Class ER (3 month LIBOR + 5.200%) 6.335%, 07/18/2027 (A)(D)	250,000	176,059
Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 8.167%, 08/20/2032 (A)(D)	300,000	257,978
Carlyle US CLO, Ltd. Series 2017-2A, Class C (3 month LIBOR + 3.700%) 4.835%, 07/20/2031 (A)(D)	750,000	675,603
Catskill Park CLO, Ltd. Series 2017-1A, Class D (3 month LIBOR + 6.000%) 7.135%, 04/20/2029 (A)(D)	500,000	441,732
Cent CLO 24, Ltd. Series 2015-24A, Class CR (3 month LIBOR + 3.150%) 4.369%, 10/15/2026 (A)(D)	360,000	335,441
Cook Park CLO, Ltd. Series 2018-1A, Class E (3 month LIBOR + 5.400%) 6.535%, 04/17/2030 (A)(D)	250,000	214,557
Cumberland Park CLO, Ltd. Series 2015-2A, Class ER (3 month LIBOR + 5.650%) 6.785%, 07/20/2028 (A)(D)	750,000	665,619
CVP CLO, Ltd. Series 2017-2A, Class D (3 month LIBOR + 2.650%) 3.785%, 01/20/2031 (A)(D)	500,000	412,141
Greenwood Park CLO, Ltd. Series 2018-1A, Class D (3 month LIBOR + 2.500%) 3.719%, 04/15/2031 (A)(D)	290,000	258,502
Series 2018-1A, Class E (3 month LIBOR + 4.950%) 6.169%, 04/15/2031 (A)(D)	250,000	205,279
Greywolf CLO IV, Ltd. Series 2019-1A, Class C (3 month LIBOR + 3.950%) 5.085%, 04/17/2030 (A)(D)	250,000	240,098
Oaktree CLO, Ltd. Series 2015-1A, Class DR (3 month LIBOR + 5.200%) 6.335%, 10/20/2027 (A)(D)	250,000	184,464

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
OZLM XIX, Ltd. Series 2017-19A, Class C (3 month LIBOR + 3.100%) 4.319%, 11/22/2030 (A)(D)	\$ 810,000	\$ 726,890
Saranac CLO III, Ltd. Series 2014-3A, Class DR (3 month LIBOR + 3.250%) 3.556%, 06/22/2030 (A)(D)	576,405	477,880
Venture XVII CLO, Ltd. Series 2014-17A, Class DRR (3 month LIBOR + 2.820%) 4.039%, 04/15/2027 (A)(D)	350,000	292,449
Series 2014-17A, Class ERR (3 month LIBOR + 5.740%) 6.959%, 04/15/2027 (A)(D)	350,000	221,439
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$6,873,383)		\$ 6,009,340
<b>COMMON STOCKS – 0.5%</b>		
<b>Communication services – 0.0%</b>		
New Cotai, Inc., Class B (H)(I)(J)	3	0
Vertis Holdings, Inc. (I)(J)	69,391	0
		0
<b>Energy – 0.5%</b>		
Berry Corp.	146,822	709,150
Hercules Offshore, Inc. (I)(J)	45,689	39,503
KCAD Holdings I, Ltd. (H)(I)(J)	165,553,563	166
Montage Resources Corp. (B)(J)	28,903	114,167
MWO Holdings LLC (H)(I)(J)	445	25,841
		888,827
<b>TOTAL COMMON STOCKS</b> (Cost \$9,774,339)		\$ 888,827
<b>PREFERRED SECURITIES – 0.9%</b>		
<b>Financials – 0.8%</b>		
B. Riley Financial, Inc., 6.875%	8,875	203,415
GMAC Capital Trust I (3 month LIBOR + 5.785%), 6.177% (D)	51,072	1,145,034
		1,348,449
<b>Industrials – 0.1%</b>		
Stanley Black & Decker, Inc. (5.000% to 5-15-23, then 10.000% thereafter)	190	216,412
<b>TOTAL PREFERRED SECURITIES</b> (Cost \$1,619,038)		\$ 1,564,861
<b>ESCROW CERTIFICATES – 0.0%</b>		
Adelphia Communications Corp. 7.750%, 01/15/2049 (I)(J)	\$ 3,000,000	0
9.875%, 03/01/2049 (I)(J)	2,050,000	0
10.250%, 11/01/2049 (I)(J)	1,025,000	0
<b>TOTAL ESCROW CERTIFICATES</b> (Cost \$391,849)		\$ 0
<b>SHORT-TERM INVESTMENTS – 5.4%</b>		
<b>Short-term funds – 5.4%</b>		
John Hancock Collateral Trust, 0.2429% (K)(L)	979,096	9,802,025
<b>TOTAL SHORT-TERM INVESTMENTS</b> (Cost \$9,802,264)		\$ 9,802,025
<b>Total Investments (High Yield Trust)</b> (Cost \$205,806,939) – 103.2%		\$ 186,506,272
<b>Other assets and liabilities, net</b> – (3.2%)		(5,737,289)
<b>TOTAL NET ASSETS – 100.0%</b>		\$ 180,768,983

## High Yield Trust (continued)

### Currency Abbreviations

BRL	Brazilian Real
CAD	Canadian Dollar
EUR	Euro
IDR	Indonesian Rupiah

### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
ICE	Intercontinental Exchange
LIBOR	London Interbank Offered Rate
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
(A)	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 \$105,176,948 or 58.2% of the fund's net assets as of 6-30-20.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	Non-income producing - Issuer is in default.
(D)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(E)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(F)	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)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(I)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(J)	Non-income producing security.
(K)	The rate shown is the annualized seven-day yield as of 6-30-20.
(L)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Trust (continued)

### DERIVATIVES

#### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	81	Long	Sep 2020	\$10,170,364	\$10,185,117	\$14,753
10-Year U.S. Treasury Note Futures	3	Short	Sep 2020	(416,323)	(417,516)	(1,193)
						<b>\$13,560</b>

<sup>^</sup> Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

#### FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
CAD 707,991	USD 517,189	BNP	7/16/2020	\$4,334	—
EUR 60,000	USD 67,356	BNP	7/16/2020	74	—
MXN 1,174,325	USD 46,935	JPM	7/16/2020	4,061	—
USD 507,491	CAD 707,991	BNP	7/16/2020	—	\$(14,031)
USD 517,268	CAD 707,991	BNP	10/16/2020	—	(4,344)
USD 74,339	EUR 68,000	BNP	7/16/2020	—	(2,081)
USD 64,879	EUR 59,131	JPM	7/16/2020	—	(1,574)
USD 67,495	EUR 60,000	BNP	10/16/2020	—	(77)
				<b>\$8,469</b>	<b>\$(22,107)</b>

#### SWAPS

##### Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Ford Motor Credit Company LLC	3.523%	513,000	USD	\$513,000	5.000%	Semi-Annual	Jun 2023	\$(32,190)	\$53,848	\$21,658
					<b>\$513,000</b>				<b>\$(32,190)</b>	<b>\$53,848</b>	<b>\$21,658</b>

##### Derivatives Currency Abbreviations

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

##### Derivatives Abbreviations

BNP	BNP Paribas
JPM	JPMorgan Chase Bank, N.A.
OTC	Over-the-counter

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

#### Investment Quality Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 56.2%</b>		
<b>U.S. Government – 16.1%</b>		
U.S. Treasury Bonds		
2.250%, 08/15/2046	\$ 975,000	\$ 1,155,870
2.500%, 02/15/2045 (A)	1,204,000	1,484,635
2.500%, 02/15/2046	648,000	802,178
2.875%, 05/15/2043	1,170,000	1,528,130
3.000%, 11/15/2044 to 02/15/2048	4,148,000	5,633,137
3.000%, 11/15/2045 (A)	3,372,000	4,543,375
3.125%, 08/15/2044 (A)	5,535,000	7,545,329
3.125%, 05/15/2048	3,205,000	4,489,379
3.625%, 08/15/2043	680,000	992,959
3.750%, 11/15/2043 (A)	2,908,000	4,326,672

#### Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government (continued)</b>		
U.S. Treasury Bonds (continued)		
4.375%, 11/15/2039 (A)	\$ 1,170,000	\$ 1,839,322
5.375%, 02/15/2031	3,000	4,457
U.S. Treasury Inflation Protected Securities		
0.375%, 01/15/2027	1,348,270	1,454,381
0.500%, 01/15/2028	187,137	205,080
0.625%, 01/15/2026 (A)	1,996,650	2,164,151
0.875%, 01/15/2029	1,528,508	1,742,542

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government (continued)</b>		
U.S. Treasury Inflation Protected Securities (continued)		
1.000%, 02/15/2048 to 02/15/2049	\$ 768,406	\$ 1,020,514
		40,932,111
<b>U.S. Government Agency – 40.1%</b>		
Federal Home Loan Mortgage Corp.		
3.000%, 12/01/2046 to 06/01/2049	3,229,906	3,402,865
3.500%, 03/01/2048 to 06/01/2048	3,212,241	3,382,345
5.000%, 12/01/2034	140,280	160,238
6.500%, 04/01/2029 to 08/01/2034	9,372	10,979
7.500%, 12/01/2025 to 05/01/2028	3,110	3,483
Federal National Mortgage Association		
2.000%, TBA (B)	5,400,000	5,579,633
2.500%, TBA (B)	22,000,000	22,912,884
2.500%, 07/01/2030 to 04/01/2045	1,448,584	1,533,697
2.660%, 03/01/2027	811,511	889,197
2.720%, 03/01/2027	735,378	771,311
3.000%, TBA (B)	6,100,000	6,416,539
3.500%, 06/01/2046 to 05/01/2048	9,034,546	9,549,342
4.000%, TBA (B)	5,800,000	6,145,055
4.500%, TBA (B)	3,300,000	3,545,438
5.000%, TBA (B)	1,800,000	1,965,848
Government National Mortgage Association		
2.500%, TBA (B)	9,900,000	10,405,432
3.000%, TBA (B)	11,500,000	12,177,502
3.500%, TBA (B)	5,400,000	5,696,981
4.000%, TBA (B)	2,600,000	2,755,985
4.000%, 11/15/2040 to 02/15/2042	48,182	52,899
4.500%, TBA (B)	4,600,000	4,912,042
6.000%, 08/15/2032 to 04/15/2035	60,224	70,242
6.500%, 06/15/2028 to 02/15/2035	24,365	27,374
7.000%, 11/15/2031 to 11/15/2033	132,281	149,428
		102,516,739
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$135,160,993)</b>		<b>\$ 143,448,850</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS – 2.4%</b>		
<b>Argentina – 0.0%</b>		
Republic of Argentina		
5.250%, 01/15/2028	EUR 135,000	55,406
<b>Bahrain – 0.1%</b>		
Kingdom of Bahrain		
7.375%, 05/14/2030 (C)(D)	\$ 200,000	227,340
<b>Canada – 0.0%</b>		
City of Quebec		
2.000%, 07/07/2020	CAD 85,000	62,631
<b>Chile – 0.1%</b>		
Republic of Chile		
2.550%, 01/27/2032	\$ 265,000	275,600
<b>Dominican Republic – 0.2%</b>		
Government of Dominican Republic		
6.400%, 06/05/2049 (C)	425,000	387,813
<b>Egypt – 0.1%</b>		
Arab Republic of Egypt		
7.625%, 05/29/2032 (C)	210,000	204,700
<b>Ghana – 0.2%</b>		
Republic of Ghana		
6.375%, 02/11/2027 (C)	200,000	186,750
7.625%, 05/16/2029	265,000	249,154
		435,904

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Hungary – 0.0%</b>		
Republic of Hungary		
6.375%, 03/29/2021	\$ 86,000	\$ 89,438
<b>Indonesia – 0.1%</b>		
Republic of Indonesia		
3.375%, 04/15/2023	200,000	208,033
<b>Macedonia – 0.1%</b>		
Republic of Macedonia		
3.675%, 06/03/2026 (C)	EUR 265,000	302,061
<b>Mexico – 0.1%</b>		
Government of Mexico		
4.750%, 04/27/2032	\$ 235,000	259,088
<b>Panama – 0.1%</b>		
Republic of Panama		
4.500%, 04/01/2056	200,000	244,702
<b>Peru – 0.0%</b>		
Republic of Peru		
2.392%, 01/23/2026	70,000	72,695
<b>Qatar – 0.4%</b>		
State of Qatar		
3.400%, 04/16/2025 (C)	400,000	435,003
3.750%, 04/16/2030 (C)	470,000	535,185
		970,188
<b>Romania – 0.3%</b>		
Government of Romania		
3.624%, 05/26/2030 (C)	EUR 180,000	217,360
4.625%, 04/03/2049	317,000	405,836
6.125%, 01/22/2044	\$ 94,000	123,140
		746,336
<b>Saudi Arabia – 0.1%</b>		
Kingdom of Saudi Arabia		
2.900%, 10/22/2025 (C)	240,000	254,496
<b>Senegal – 0.1%</b>		
Republic of Senegal		
6.250%, 05/23/2033	255,000	258,877
<b>Tunisia – 0.1%</b>		
Banque Centrale de Tunisie		
6.750%, 10/31/2023 (C)	EUR 190,000	201,682
<b>United Arab Emirates – 0.3%</b>		
Republic of United Arab Emirates		
2.500%, 04/16/2025 (C)	\$ 245,000	257,448
3.125%, 04/16/2030 (C)	200,000	219,863
3.875%, 04/16/2050 (C)	200,000	236,150
		713,461
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$5,839,574)</b>		<b>\$ 5,970,451</b>
<b>CORPORATE BONDS – 38.2%</b>		
<b>Communication services – 5.7%</b>		
AT&T, Inc.		
2.300%, 06/01/2027	335,000	345,872
2.950%, 07/15/2026 (D)	280,000	302,781
3.800%, 02/15/2027	5,000	5,630
3.825%, 11/25/2020	CAD 300,000	223,477
3.875%, 01/15/2026	\$ 70,000	78,764
4.125%, 02/17/2026	255,000	290,599
4.300%, 02/15/2030	130,000	151,880
4.350%, 03/01/2029 to 06/15/2045	460,000	528,682
AT&T, Inc. (3 month LIBOR + 0.750%)		
1.100%, 06/01/2021 (E)	45,000	45,228
CCO Holdings LLC		
4.500%, 08/15/2030 (C)	13,000	13,267

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Charter Communications Operating LLC		
2.800%, 04/01/2031	\$ 220,000	\$ 222,911
4.800%, 03/01/2050	45,000	51,003
4.908%, 07/23/2025	30,000	34,402
5.125%, 07/01/2049	75,000	86,585
5.750%, 04/01/2048	125,000	155,550
6.484%, 10/23/2045	280,000	372,020
6.834%, 10/23/2055	40,000	53,876
Comcast Cable Communications LLC		
8.500%, 05/01/2027	96,000	137,562
Comcast Corp.		
1.950%, 01/15/2031	315,000	320,818
3.200%, 07/15/2036	55,000	61,135
3.250%, 11/01/2039	255,000	282,905
3.400%, 04/01/2030 to 07/15/2046	85,000	95,873
4.049%, 11/01/2052	45,000	55,188
4.250%, 10/15/2030	40,000	48,973
4.600%, 10/15/2038	115,000	146,451
4.650%, 07/15/2042	35,000	45,067
4.750%, 03/01/2044	20,000	26,734
4.950%, 10/15/2058	120,000	170,591
Cox Communications, Inc.		
3.150%, 08/15/2024 (C)(D)	601,000	646,656
Discovery Communications LLC		
3.800%, 03/13/2024	80,000	85,735
3.950%, 06/15/2025 to 03/20/2028	92,000	102,615
5.000%, 09/20/2037	25,000	29,581
5.300%, 05/15/2049	100,000	121,977
6.350%, 06/01/2040	175,000	235,476
DISH DBS Corp.		
6.750%, 06/01/2021	66,000	67,238
Lamar Media Corp.		
3.750%, 02/15/2028 (C)	10,000	9,428
SoftBank Group Corp. (6.000% to 7-19-23, then 5 Year ICE Swap Rate + 4.226%) 07/19/2023 (F)	600,000	546,528
Sprint Corp.		
7.125%, 06/15/2024	85,000	95,977
Sprint Spectrum Company LLC		
5.152%, 03/20/2028 (C)	295,000	339,250
Telecom Italia Capital SA		
6.000%, 09/30/2034	15,000	16,305
7.721%, 06/04/2038	25,000	31,456
Telefonica Celular del Paraguay SA		
5.875%, 04/15/2027 (C)	400,000	416,000
Telefonica Emisiones SA		
5.520%, 03/01/2049	230,000	302,366
7.045%, 06/20/2036	170,000	247,088
Tencent Holdings, Ltd.		
1.810%, 01/26/2026 (C)(D)	200,000	202,244
2.390%, 06/03/2030 (C)	200,000	199,703
3.595%, 01/19/2028 (C)	200,000	217,953
3.975%, 04/11/2029 (C)	400,000	451,200
The Walt Disney Company		
2.650%, 01/13/2031	360,000	381,512
Time Warner Cable LLC		
4.500%, 09/15/2042	415,000	445,702
5.875%, 11/15/2040	195,000	240,162
T-Mobile USA, Inc.		
2.050%, 02/15/2028 (C)	345,000	345,162
3.500%, 04/15/2025 (C)	320,000	348,806
3.875%, 04/15/2030 (C)	395,000	440,255
4.500%, 04/15/2050 (C)	140,000	164,913
6.500%, 01/15/2026	625,000	653,044

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Verizon Communications, Inc.		
3.150%, 03/22/2030	\$ 55,000	\$ 62,168
4.000%, 03/22/2050	55,000	69,240
4.272%, 01/15/2036	160,000	198,087
4.400%, 11/01/2034	225,000	279,584
4.500%, 08/10/2033	55,000	68,491
4.672%, 03/15/2055	180,000	244,574
4.812%, 03/15/2039	120,000	156,759
5.012%, 08/21/2054	165,000	238,995
5.250%, 03/16/2037	70,000	94,737
ViacomCBS, Inc.		
4.250%, 09/01/2023	185,000	201,234
4.750%, 05/15/2025	150,000	170,900
4.950%, 01/15/2031	710,000	830,281
Videotron, Ltd.		
5.375%, 06/15/2024 (C)	40,000	42,600
Vodafone Group PLC		
6.150%, 02/27/2037	190,000	265,930
WMG Acquisition Corp.		
3.875%, 07/15/2030 (C)	20,000	20,201
		14,681,937
<b>Consumer discretionary – 1.8%</b>		
Alibaba Group Holding, Ltd.		
3.400%, 12/06/2027	235,000	261,027
Amazon.com, Inc.		
1.500%, 06/03/2030	335,000	339,736
3.875%, 08/22/2037	260,000	321,835
AutoZone, Inc.		
3.625%, 04/15/2025	210,000	234,659
General Motors Company		
5.200%, 04/01/2045	125,000	120,884
6.125%, 10/01/2025	70,000	78,666
Hanesbrands, Inc.		
4.875%, 05/15/2026 (C)(D)	50,000	50,375
Hilton Domestic Operating Company, Inc.		
4.250%, 09/01/2024	426,000	413,305
Las Vegas Sands Corp.		
3.500%, 08/18/2026	120,000	119,660
Lennar Corp.		
4.750%, 11/29/2027	25,000	27,125
Lithia Motors, Inc.		
4.625%, 12/15/2027 (C)	30,000	29,700
Lowe's Companies, Inc.		
3.375%, 09/15/2025	370,000	414,447
3.700%, 04/15/2046	15,000	16,772
4.550%, 04/05/2049	125,000	158,269
McDonald's Corp.		
3.350%, 04/01/2023	180,000	192,920
3.625%, 09/01/2049	210,000	232,730
4.200%, 04/01/2050	160,000	193,802
PulteGroup, Inc.		
5.500%, 03/01/2026	615,000	670,719
Service Corp. International		
5.125%, 06/01/2029	507,000	545,532
The William Carter Company		
5.625%, 03/15/2027 (C)	15,000	15,450
Toll Brothers Finance Corp.		
4.875%, 11/15/2025	50,000	53,323
Wynn Las Vegas LLC		
5.250%, 05/15/2027 (C)	25,000	21,613
		4,512,549
<b>Consumer staples – 2.9%</b>		
Alimentation Couche-Tard, Inc.		
2.950%, 01/25/2030 (C)	65,000	67,380

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
Alimentation		
Couche-Tard, Inc. (continued)		
3.800%, 01/25/2050 (C)	\$ 110,000	\$ 113,981
Altria Group, Inc.		
2.350%, 05/06/2025	100,000	105,222
2.625%, 09/16/2026	80,000	85,312
3.400%, 05/06/2030	135,000	145,219
3.875%, 09/16/2046	70,000	69,784
4.800%, 02/14/2029	145,000	169,026
5.375%, 01/31/2044	185,000	221,708
5.800%, 02/14/2039	30,000	37,404
5.950%, 02/14/2049	90,000	118,000
Anheuser-Busch InBev Worldwide, Inc.		
3.750%, 07/15/2042	299,000	322,059
4.600%, 04/15/2048	145,000	169,274
4.750%, 04/15/2058	155,000	187,094
5.450%, 01/23/2039	563,000	711,135
Archer-Daniels-Midland Company		
3.250%, 03/27/2030	110,000	124,613
BAT Capital Corp.		
2.789%, 09/06/2024	250,000	263,438
4.390%, 08/15/2037	70,000	76,356
Conagra Brands, Inc.		
4.300%, 05/01/2024	95,000	105,061
4.600%, 11/01/2025	30,000	34,579
4.850%, 11/01/2028	198,000	238,870
5.400%, 11/01/2048	30,000	41,408
Constellation Brands, Inc.		
2.650%, 11/07/2022	155,000	161,669
2.875%, 05/01/2030	50,000	52,966
3.150%, 08/01/2029	232,000	248,713
3.600%, 02/15/2028	323,000	357,819
4.650%, 11/15/2028	70,000	82,315
Diageo Capital PLC		
2.000%, 04/29/2030	400,000	413,869
Kellogg Company		
3.400%, 11/15/2027	150,000	168,383
Kernel Holding SA		
6.500%, 10/17/2024	200,000	197,994
Keurig Dr. Pepper, Inc.		
3.200%, 05/01/2030	60,000	66,376
Minerva Luxembourg SA		
6.500%, 09/20/2026	255,000	256,913
Molson Coors Beverage Company		
3.000%, 07/15/2026	270,000	280,330
Mondelez International, Inc.		
1.500%, 05/04/2025	140,000	142,680
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (C)	420,000	420,760
PepsiCo, Inc.		
3.625%, 03/19/2050	335,000	407,388
Philip Morris International, Inc.		
2.100%, 05/01/2030	270,000	278,135
Sysco Corp.		
5.950%, 04/01/2030	110,000	137,838
The Coca-Cola Company		
1.650%, 06/01/2030	265,000	269,510
		7,350,581
<b>Energy – 2.1%</b>		
BP Capital Markets America, Inc.		
3.543%, 04/06/2027	140,000	155,213
3.633%, 04/06/2030	115,000	129,879
Canadian Natural Resources, Ltd.		
2.890%, 08/14/2020	CAD 105,000	77,510

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
DCP Midstream Operating LP		
4.950%, 04/01/2022	\$ 20,000	\$ 20,109
5.600%, 04/01/2044	30,000	24,000
Energy Transfer Operating LP		
3.750%, 05/15/2030	105,000	103,755
4.500%, 04/15/2024	100,000	108,411
4.950%, 06/15/2028	150,000	161,054
5.000%, 05/15/2050	20,000	18,896
5.250%, 04/15/2029	225,000	245,536
6.125%, 12/15/2045	305,000	317,148
EOG Resources, Inc.		
4.375%, 04/15/2030	100,000	119,038
EQM Midstream Partners LP		
6.500%, 07/01/2027 (C)	5,000	5,122
Equinor ASA		
1.750%, 01/22/2026	245,000	250,952
3.625%, 04/06/2040	160,000	179,495
3.700%, 04/06/2050 (D)	105,000	120,701
Exxon Mobil Corp.		
4.227%, 03/19/2040	245,000	296,093
4.327%, 03/19/2050	80,000	100,225
Halliburton Company		
2.920%, 03/01/2030	120,000	113,808
Hess Corp.		
7.125%, 03/15/2033	58,000	67,670
7.300%, 08/15/2031	100,000	116,782
Kinder Morgan Energy Partners LP		
3.500%, 03/01/2021	240,000	242,990
Marathon Petroleum Corp.		
4.700%, 05/01/2025	260,000	291,059
MPLX LP		
4.125%, 03/01/2027	85,000	90,680
4.250%, 12/01/2027	160,000	173,436
4.700%, 04/15/2048	130,000	133,277
5.200%, 03/01/2047	40,000	42,939
5.500%, 02/15/2049	15,000	17,020
6.250%, 10/15/2022	15,000	15,183
MPLX LP (3 month LIBOR + 0.900%)		
1.213%, 09/09/2021 (E)	10,000	9,921
ONEOK, Inc.		
2.200%, 09/15/2025	35,000	34,352
3.100%, 03/15/2030	30,000	28,696
4.450%, 09/01/2049	105,000	97,388
5.850%, 01/15/2026	125,000	142,739
Phillips 66		
2.150%, 12/15/2030	80,000	77,421
3.850%, 04/09/2025	65,000	72,047
QEP Resources, Inc.		
5.375%, 10/01/2022	40,000	30,400
Sabine Pass Liquefaction LLC		
4.500%, 05/15/2030 (C)	200,000	220,836
SM Energy Company		
6.125%, 11/15/2022	35,000	25,550
Texas Eastern Transmission LP		
2.800%, 10/15/2022 (C)	50,000	50,890
The Williams Companies, Inc.		
4.900%, 01/15/2045	8,000	8,439
5.100%, 09/15/2045	25,000	27,335
5.800%, 11/15/2043	30,000	34,275
6.300%, 04/15/2040	27,000	32,359
TransCanada PipeLines, Ltd.		
4.100%, 04/15/2030	200,000	227,716
4.625%, 03/01/2034	130,000	149,381
Tullow Oil PLC		
7.000%, 03/01/2025 (C)	200,000	125,500

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Valero Energy Corp. 4.000%, 04/01/2029 (D)	\$ 95,000	\$ 105,702
Western Midstream Operating LP 4.050%, 02/01/2030	10,000	9,624
WPX Energy, Inc. 5.250%, 09/15/2024	45,000	44,325
YPF SA 16.500%, 05/09/2022 (C)	ARS 6,797,946	50,171
		5,343,048
<b>Financials – 9.0%</b>		
American International Group, Inc. 2.500%, 06/30/2025	\$ 495,000	523,754
Aon Corp. 2.200%, 11/15/2022	185,000	192,069
Bank of America Corp. 7.750%, 05/14/2038	300,000	491,659
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	270,000	284,047
Bank of America Corp. (3 month LIBOR + 0.650%) 0.946%, 10/01/2021 (E)	40,000	40,031
Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	740,000	808,223
Bank of America Corp. (3.705% to 4-24-27, then 3 month LIBOR + 1.512%) 04/24/2028	90,000	101,715
Bank of America Corp. (4.083% to 3-20-50, then 3 month LIBOR + 3.150%) 03/20/2051	640,000	798,595
BlackRock, Inc. 1.900%, 01/28/2031	390,000	398,445
BNP Paribas SA (2.219% to 6-9-25, then SOFR + 2.070%) 06/09/2026 (C)	240,000	245,194
Brighthouse Financial, Inc. 5.625%, 05/15/2030	610,000	675,889
Capital One Financial Corp. 3.900%, 01/29/2024	205,000	222,934
Citigroup, Inc. 3.200%, 10/21/2026	225,000	246,752
4.450%, 09/29/2027	45,000	51,282
Citigroup, Inc. (2.312% to 11-4-21, then SOFR + 0.867%) 11/04/2022	235,000	240,007
Citigroup, Inc. (3.352% to 4-24-24, then 3 month LIBOR + 0.897%) 04/24/2025	220,000	237,701
Citigroup, Inc. (3.980% to 3-20-29, then 3 month LIBOR + 1.338%) 03/20/2030	300,000	343,882
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.910%) 03/31/2031	230,000	272,018
Credit Suisse Group AG (6.250% to 12-18-24, then 5 Year U.S. Swap Rate + 3.460%) 12/18/2024 (F)	475,000	494,798
DAE Funding LLC 4.500%, 08/01/2022 (C)	5,000	4,763
5.000%, 08/01/2024 (C)	5,000	4,688
Danske Bank A/S 5.000%, 01/12/2022 (C)	225,000	236,618
5.375%, 01/12/2024 (C)	235,000	261,513
Fifth Third Bancorp 2.375%, 01/28/2025	205,000	216,085
GE Capital Funding LLC 4.400%, 05/15/2030 (C)	235,000	244,350

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Genworth Holdings, Inc. 4.900%, 08/15/2023	\$ 50,000	\$ 40,000
GTP Acquisition Partners I LLC 3.482%, 06/16/2025 (C)	730,000	764,615
HSBC Holdings PLC 2.950%, 05/25/2021	200,000	204,224
HSBC Holdings PLC (3.262% to 3-13-22, then 3 month LIBOR + 1.055%) 03/13/2023	240,000	248,638
HSBC Holdings PLC (4.583% to 6-19-28, then 3 month LIBOR + 1.535%) 06/19/2029	200,000	231,019
Industrial & Commercial Bank of China, Ltd. (3 month LIBOR + 0.750%) 1.124%, 05/21/2021 (E)	200,000	199,688
Inter-American Development Bank 7.250%, 06/10/2021	MXN 5,530,000	243,446
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.520%) 05/13/2031	\$ 50,000	53,169
JPMorgan Chase & Co. (3.109% to 4-22-40, then SOFR + 2.460%) 04/22/2041	110,000	118,413
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	150,000	161,434
JPMorgan Chase & Co. (3.220% to 3-1-24, then 3 month LIBOR + 1.155%) 03/01/2025	295,000	317,482
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.940%) 01/23/2029	285,000	318,290
JPMorgan Chase & Co. (3.702% to 5-6-29, then 3 month LIBOR + 1.160%) 05/06/2030	280,000	321,576
JPMorgan Chase & Co. (3.797% to 7-23-23, then 3 month LIBOR + 0.890%) 07/23/2024	295,000	319,862
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.240%) 01/29/2027	595,000	677,733
JPMorgan Chase & Co. (4.005% to 4-23-28, then 3 month LIBOR + 1.120%) 04/23/2029	225,000	259,982
KeyCorp 2.550%, 10/01/2029	220,000	227,673
Marsh & McLennan Companies, Inc. 3.875%, 03/15/2024 (D)	175,000	193,609
4.750%, 03/15/2039	120,000	154,017
Massachusetts Mutual Life Insurance Company 3.729%, 10/15/2070 (C)	49,000	50,331
Metro Bank PLC (5.500% to 6-26-23, then 5 Year U.K. Treasury + 4.458%) 06/26/2028	GBP 300,000	199,679
MGIC Investment Corp. 5.750%, 08/15/2023	\$ 30,000	30,975
Morgan Stanley 2.500%, 04/21/2021	625,000	635,465
3.125%, 07/27/2026	55,000	60,678
Morgan Stanley (2.699% to 1-22-30, then SOFR + 1.143%) 01/22/2031	305,000	323,952
Morgan Stanley (3.591% to 7-22-27, then 3 month LIBOR + 1.340%) 07/22/2028	440,000	494,836

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Morgan Stanley (4.431% to 1-23-29, then 3 month LIBOR + 1.628%) 01/23/2030	\$ 160,000	\$ 190,589
MSCI, Inc. 4.000%, 11/15/2029 (C)	25,000	25,500
5.375%, 05/15/2027 (C)	565,000	599,606
National Rural Utilities Cooperative Finance Corp. 3.400%, 02/07/2028	55,000	61,674
Navient Corp. 7.250%, 01/25/2022 to 09/25/2023	85,000	84,334
New York Life Global Funding 2.000%, 01/22/2025 (C)	320,000	336,046
Power Finance Corp., Ltd. 3.950%, 04/23/2030 (C)	515,000	487,536
Santander Holdings USA, Inc. 3.700%, 03/28/2022	200,000	205,978
State Street Corp. (2.354% to 11-1-24, then SOFR + 0.940%) 11/01/2025	265,000	280,907
State Street Corp. (2.901% to 3-30-25, then SOFR + 2.600%) 03/30/2026 (C)	130,000	141,043
State Street Corp. (3.152% to 3-30-30, then SOFR + 2.650%) 03/30/2031 (C)	25,000	28,014
The Bank of New York Mellon Corp. 2.100%, 10/24/2024	260,000	274,002
The Goldman Sachs Group, Inc. 6.250%, 02/01/2041	90,000	134,388
6.750%, 10/01/2037	165,000	237,922
The Goldman Sachs Group, Inc. (4.017% to 10-31-37, then 3 month LIBOR + 1.373%) 10/31/2038	235,000	274,547
The Goldman Sachs Group, Inc. (4.223% to 5-1-28, then 3 month LIBOR + 1.301%) 05/01/2029	225,000	261,750
The PNC Financial Services Group, Inc. 2.200%, 11/01/2024	185,000	196,229
2.550%, 01/22/2030	355,000	381,985
The Progressive Corp. 3.200%, 03/26/2030	155,000	175,958
Truist Bank 2.250%, 03/11/2030	620,000	626,157
UBS Group AG 2.650%, 02/01/2022 (C)	380,000	391,404
UBS Group AG (7.000% to 2-19-25, then 5 Year U.S. Swap Rate + 4.866%) 02/19/2025 (F)	200,000	219,840
UniCredit SpA 6.572%, 01/14/2022 (C)	350,000	369,808
Unum Group 4.000%, 06/15/2029	80,000	82,852
4.500%, 03/15/2025 (D)	160,000	171,857
4.500%, 12/15/2049	120,000	112,108
Voya Financial, Inc. 4.800%, 06/15/2046	5,000	5,955
Wells Fargo & Company 3.000%, 04/22/2026	175,000	191,100
3.000%, 10/23/2026 (D)	135,000	147,237
3.069%, 01/24/2023	380,000	393,614
3.750%, 01/24/2024	330,000	360,574
4.400%, 06/14/2046	60,000	72,513
4.900%, 11/17/2045	15,000	19,249
5.606%, 01/15/2044	15,000	20,785
Wells Fargo & Company (2.406% to 10-30-24, then 3 month LIBOR + 0.825%) 10/30/2025	465,000	484,064

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Wells Fargo & Company (5.013% to 4-4-50, then 3 month LIBOR + 4.240%) 04/04/2051	\$ 105,000	\$ 145,008
Willis North America, Inc. 2.950%, 09/15/2029	90,000	95,351
3.600%, 05/15/2024	115,000	124,463
4.500%, 09/15/2028	165,000	192,475
		23,092,220
<b>Health care – 3.8%</b>		
AbbVie, Inc. 3.200%, 11/21/2029 (C)	630,000	700,622
4.250%, 11/21/2049 (C)	220,000	263,717
4.625%, 10/01/2042 (C)	135,000	165,226
Alcon Finance Corp. 2.750%, 09/23/2026 (C)	400,000	430,310
Amgen, Inc. 1.900%, 02/21/2025	65,000	67,813
2.200%, 02/21/2027	120,000	126,536
2.300%, 02/25/2031	600,000	627,730
2.450%, 02/21/2030	170,000	179,704
3.375%, 02/21/2050	130,000	142,339
Anthem, Inc. 2.250%, 05/15/2030	125,000	128,600
2.875%, 09/15/2029	160,000	172,795
3.500%, 08/15/2024	165,000	180,557
4.625%, 05/15/2042	130,000	161,743
Bausch Health Companies, Inc. 7.000%, 03/15/2024 (C)	10,000	10,375
Baxalta, Inc. 3.600%, 06/23/2022	11,000	11,582
Baxter International, Inc. 3.950%, 04/01/2030 (C)	115,000	136,346
Bayer US Finance II LLC 4.250%, 12/15/2025 (C)	260,000	298,508
Becton, Dickinson and Company 2.823%, 05/20/2030	125,000	132,500
3.363%, 06/06/2024	490,000	528,334
Boston Scientific Corp. 1.900%, 06/01/2025	125,000	129,449
3.750%, 03/01/2026	415,000	471,242
Centene Corp. 3.375%, 02/15/2030	5,000	5,049
4.250%, 12/15/2027	10,000	10,319
4.625%, 12/15/2029	10,000	10,588
Cigna Corp. 4.375%, 10/15/2028	215,000	254,438
CommonSpirit Health 3.347%, 10/01/2029	45,000	46,277
CVS Health Corp. 3.875%, 07/20/2025	179,000	201,017
4.125%, 04/01/2040	135,000	159,222
5.050%, 03/25/2048	55,000	71,542
5.125%, 07/20/2045	170,000	218,965
GlaxoSmithKline Capital, Inc. 3.625%, 05/15/2025	325,000	366,798
Hill-Rom Holdings, Inc. 4.375%, 09/15/2027 (C)	30,000	30,713
Pfizer, Inc. 1.700%, 05/28/2030	195,000	198,404
2.625%, 04/01/2030	90,000	99,010
Quest Diagnostics, Inc. 2.800%, 06/30/2031	110,000	115,394
Rede D'or Finance Sarl 4.500%, 01/22/2030 (C)	680,000	600,100

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Shire Acquisitions Investments Ireland DAC		
2.400%, 09/23/2021	\$ 205,000	\$ 209,097
Takeda Pharmaceutical Company, Ltd.		
2.050%, 03/31/2030 (B)	200,000	197,958
3.175%, 07/09/2050 (B)	200,000	200,777
Teleflex, Inc.		
4.250%, 06/01/2028 (C)	5,000	5,125
Teva Pharmaceutical Finance Netherlands III BV		
3.150%, 10/01/2026	345,000	308,044
Thermo Fisher Scientific, Inc.		
3.000%, 04/15/2023	40,000	42,364
UnitedHealth Group, Inc.		
2.000%, 05/15/2030	175,000	183,165
2.375%, 08/15/2024 (D)	170,000	180,895
2.875%, 08/15/2029	150,000	167,423
3.500%, 08/15/2039	100,000	116,244
4.750%, 07/15/2045	50,000	67,319
Upjohn, Inc.		
1.650%, 06/22/2025 (C)	85,000	86,654
2.300%, 06/22/2027 (C)	70,000	72,266
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	385,000	413,980
		9,705,175
<b>Industrials – 2.9%</b>		
Ashtead Capital, Inc.		
4.375%, 08/15/2027 (C)	605,000	621,855
Carrier Global Corp.		
2.493%, 02/15/2027 (C)	95,000	96,760
2.700%, 02/15/2031 (C)	185,000	183,921
2.722%, 02/15/2030 (C)	85,000	85,199
Clean Harbors, Inc.		
4.875%, 07/15/2027 (C)	625,000	642,188
5.125%, 07/15/2029 (C)	5,000	5,186
CSX Corp.		
2.400%, 02/15/2030 (D)	5,000	5,281
3.250%, 06/01/2027	180,000	201,811
4.500%, 03/15/2049	20,000	25,634
Equifax, Inc.		
2.600%, 12/15/2025	133,000	141,675
3.100%, 05/15/2030	40,000	42,520
FedEx Corp.		
3.300%, 03/15/2027	90,000	96,829
3.800%, 05/15/2025	245,000	272,338
4.250%, 05/15/2030	245,000	279,757
General Electric Company		
3.625%, 05/01/2030	210,000	210,188
HD Supply, Inc.		
5.375%, 10/15/2026 (C)	25,000	25,531
International Airport Finance SA		
12.000%, 03/15/2033 (C)	330,000	261,525
John Deere Capital Corp.		
1.200%, 04/06/2023	80,000	81,471
1.750%, 03/09/2027	90,000	93,573
L3Harris Technologies, Inc.		
2.900%, 12/15/2029	290,000	312,219
3.850%, 06/15/2023	260,000	282,685
Lockheed Martin Corp.		
1.850%, 06/15/2030	75,000	76,856
Otis Worldwide Corp.		
2.565%, 02/15/2030 (C)	875,000	917,562
Penske Truck Leasing Company LP		
2.700%, 11/01/2024 (C)	250,000	257,204
4.000%, 07/15/2025 (C)	230,000	251,564

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Raytheon Technologies Corp.		
3.650%, 08/16/2023	\$ 4,000	\$ 4,328
3.950%, 08/16/2025	185,000	211,229
4.450%, 11/16/2038	155,000	189,568
4.625%, 11/16/2048	35,000	45,321
Sensata Technologies BV		
5.000%, 10/01/2025 (C)	75,000	79,853
The Boeing Company		
3.250%, 02/01/2035	95,000	86,593
5.040%, 05/01/2027	375,000	413,486
5.150%, 05/01/2030	170,000	189,666
Trane Technologies Global Holding Company, Ltd.		
2.900%, 02/21/2021	110,000	111,218
Trane Technologies Luxembourg Finance SA		
4.500%, 03/21/2049	40,000	47,831
Union Pacific Corp.		
3.839%, 03/20/2060	15,000	17,619
4.375%, 09/10/2038	305,000	375,561
United Rentals North America, Inc.		
4.000%, 07/15/2030	35,000	33,853
5.500%, 07/15/2025 to 05/15/2027	110,000	113,131
Waste Management, Inc.		
4.150%, 07/15/2049	30,000	37,600
		7,428,189
<b>Information technology – 3.8%</b>		
Apple, Inc.		
1.125%, 05/11/2025	200,000	203,574
2.200%, 09/11/2029	665,000	714,024
2.650%, 05/11/2050	60,000	61,856
3.450%, 02/09/2045	45,000	52,497
4.375%, 05/13/2045	35,000	46,357
Broadcom Corp.		
3.875%, 01/15/2027	85,000	91,890
Broadcom, Inc.		
4.250%, 04/15/2026 (C)	226,000	251,649
5.000%, 04/15/2030 (C)	785,000	902,058
CDK Global, Inc.		
5.250%, 05/15/2029 (C)	5,000	5,192
CDW LLC		
4.250%, 04/01/2028	20,000	20,381
Entegris, Inc.		
4.375%, 04/15/2028 (C)	40,000	40,700
4.625%, 02/10/2026 (C)	25,000	25,375
Fair Isaac Corp.		
4.000%, 06/15/2028 (C)	28,000	28,070
Fidelity National Information Services, Inc.		
3.750%, 05/21/2029	205,000	240,153
4.250%, 05/15/2028	60,000	70,816
Fiserv, Inc.		
2.250%, 06/01/2027	725,000	757,994
3.200%, 07/01/2026	205,000	226,896
Global Payments, Inc.		
2.900%, 05/15/2030	185,000	193,484
3.200%, 08/15/2029	80,000	85,680
HP, Inc.		
2.200%, 06/17/2025	135,000	139,512
3.000%, 06/17/2027	135,000	141,503
IBM Corp.		
1.950%, 05/15/2030	570,000	582,874
3.500%, 05/15/2029	375,000	433,342
4.250%, 05/15/2049	100,000	125,180

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Intel Corp. 3.100%, 02/15/2060	\$ 175,000	\$ 192,313
Lam Research Corp. 1.900%, 06/15/2030	125,000	127,736
Leidos, Inc. 3.625%, 05/15/2025 (C)	130,000	141,668
Mastercard, Inc. 3.350%, 03/26/2030	60,000	69,410
Microchip Technology, Inc. 2.670%, 09/01/2023 (C)	245,000	252,119
4.250%, 09/01/2025 (C)	10,000	10,082
Microsoft Corp. 2.675%, 06/01/2060	31,000	32,349
3.700%, 08/08/2046	70,000	87,797
3.950%, 08/08/2056	149,000	191,410
Nokia OYJ 6.625%, 05/15/2039	40,000	47,160
NortonLifeLock, Inc. 5.000%, 04/15/2025 (C)	530,000	537,950
NVIDIA Corp. 2.850%, 04/01/2030	195,000	216,866
NXP BV 3.150%, 05/01/2027 (C)	95,000	100,787
4.300%, 06/18/2029 (C)	25,000	28,360
4.875%, 03/01/2024 (C)	350,000	390,892
5.350%, 03/01/2026 (C)	115,000	136,691
5.550%, 12/01/2028 (C)	95,000	115,404
Oracle Corp. 2.500%, 04/01/2025	540,000	580,793
3.850%, 04/01/2060	540,000	631,804
Qorvo, Inc. 5.500%, 07/15/2026 (D)	20,000	20,800
QUALCOMM, Inc. 4.650%, 05/20/2035	50,000	66,439
4.800%, 05/20/2045	160,000	209,136
Western Digital Corp. 4.750%, 02/15/2026	20,000	20,700
		9,649,723
<b>Materials – 1.5%</b>		
Air Products and Chemicals, Inc. 1.500%, 10/15/2025	35,000	36,193
1.850%, 05/15/2027	70,000	73,333
Alpek SAB de CV 4.250%, 09/18/2029 (C)	200,000	197,500
Anglo American Capital PLC 4.750%, 04/10/2027 (C)	200,000	222,566
4.875%, 05/14/2025 (C)	280,000	311,787
Ball Corp. 4.000%, 11/15/2023	570,000	589,950
Commercial Metals Company 5.375%, 07/15/2027	20,000	20,250
DuPont de Nemours, Inc. 4.205%, 11/15/2023	340,000	373,132
Ecolab, Inc. 4.800%, 03/24/2030	25,000	31,696
Kaiser Aluminum Corp. 4.625%, 03/01/2028 (C)	20,000	19,126
LYB International Finance III LLC 2.875%, 05/01/2025	105,000	111,816
Metinvest BV 5.625%, 06/17/2025 (C)	EUR 195,000	197,174
Olin Corp. 5.125%, 09/15/2027	\$ 45,000	42,075
Standard Industries, Inc. 4.375%, 07/15/2030 (C)	35,000	34,639

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Standard Industries, Inc. (continued) 5.375%, 11/15/2024 (C)	\$ 85,000	\$ 87,338
Steel Dynamics, Inc. 2.800%, 12/15/2024	201,000	209,183
3.250%, 01/15/2031	15,000	15,244
Suzano Austria GmbH 5.000%, 01/15/2030	500,000	506,500
Syngenta Finance NV 4.892%, 04/24/2025 (C)	200,000	210,262
The Chemours Company 5.375%, 05/15/2027	45,000	40,666
The Dow Chemical Company 4.800%, 05/15/2049	66,000	78,559
The Sherwin-Williams Company 2.300%, 05/15/2030	85,000	86,665
2.950%, 08/15/2029	160,000	171,968
3.300%, 05/15/2050	60,000	60,758
4.500%, 06/01/2047	55,000	66,924
Westlake Chemical Corp. 3.375%, 06/15/2030	65,000	66,442
		3,861,746
<b>Real estate – 0.9%</b>		
American Tower Corp. 2.100%, 06/15/2030	120,000	120,250
2.400%, 03/15/2025	135,000	141,912
Brixmor Operating Partnership LP 4.050%, 07/01/2030	75,000	76,608
Equinix, Inc. 1.800%, 07/15/2027	40,000	40,041
2.150%, 07/15/2030	115,000	113,600
GLP Capital LP 4.000%, 01/15/2031	180,000	177,856
5.300%, 01/15/2029	130,000	140,670
5.750%, 06/01/2028	130,000	143,221
SBA Tower Trust 2.836%, 01/15/2025 (C)	300,000	309,304
3.168%, 04/11/2022 (C)	530,000	535,350
3.448%, 03/15/2023 (C)	435,000	452,519
VEREIT Operating Partnership LP 3.400%, 01/15/2028	60,000	60,363
VICI Properties LP 4.250%, 12/01/2026 (C)	10,000	9,596
		2,321,290
<b>Utilities – 3.8%</b>		
Alabama Power Company 4.150%, 08/15/2044	160,000	191,250
American Water Capital Corp. 2.800%, 05/01/2030	85,000	92,418
4.150%, 06/01/2049	110,000	136,261
AmeriGas Partners LP 5.625%, 05/20/2024	20,000	20,744
5.875%, 08/20/2026	40,000	42,200
Berkshire Hathaway Energy Company 3.250%, 04/15/2028	135,000	152,647
Centrais Eletricas Brasileiras SA 3.625%, 02/04/2025 (C)	200,000	195,500
Cleco Corporate Holdings LLC 3.375%, 09/15/2029 (C)	140,000	145,693
3.743%, 05/01/2026	54,000	57,203
4.973%, 05/01/2046	10,000	10,552
Commonwealth Edison Company 3.650%, 06/15/2046	175,000	204,944
Dominion Energy Gas Holdings LLC 2.500%, 11/15/2024	260,000	274,098

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Dominion Energy South Carolina, Inc. 5.100%, 06/01/2065	\$ 50,000	\$ 73,632
Dominion Energy, Inc. 3.375%, 04/01/2030	310,000	342,932
Duke Energy Corp. 2.650%, 09/01/2026	100,000	108,418
Duke Energy Florida LLC 3.400%, 10/01/2046	225,000	253,462
Duke Energy Indiana LLC 3.250%, 10/01/2049	105,000	116,345
Duke Energy Progress LLC 3.700%, 10/15/2046	70,000	81,770
Evergy Metro, Inc. 2.250%, 06/01/2030	70,000	73,323
Evergy, Inc. 2.450%, 09/15/2024 2.900%, 09/15/2029	90,000 240,000	95,085 257,118
Exelon Corp. 2.450%, 04/15/2021 3.950%, 06/15/2025	50,000 300,000	50,689 337,040
FirstEnergy Corp. 1.600%, 01/15/2026 2.250%, 09/01/2030	35,000 90,000	35,309 90,181
Florida Power & Light Company 3.990%, 03/01/2049	45,000	57,808
Georgia Power Company 2.100%, 07/30/2023 4.300%, 03/15/2042	255,000 200,000	265,343 232,342
IPALCO Enterprises, Inc. 3.700%, 09/01/2024 4.250%, 05/01/2030 (C)	175,000 635,000	187,092 687,835
ITC Holdings Corp. 2.950%, 05/14/2030 (C)	220,000	233,468
MidAmerican Energy Company 3.150%, 04/15/2050 3.650%, 08/01/2048	115,000 45,000	126,733 53,278
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	370,000	380,091
NiSource, Inc. 3.490%, 05/15/2027 (D) 3.600%, 05/01/2030	210,000 315,000	237,443 359,915
Northern States Power Company 2.900%, 03/01/2050	50,000	54,657
Oglethorpe Power Corp. 5.050%, 10/01/2048	135,000	152,572
Oncor Electric Delivery Company LLC 3.100%, 09/15/2049 5.750%, 03/15/2029	45,000 70,000	49,588 91,814
Pacific Gas & Electric Company 2.500%, 02/01/2031 (D)	430,000	420,368
PacifiCorp 4.125%, 01/15/2049 4.150%, 02/15/2050	33,000 45,000	40,831 56,274
Public Service Electric & Gas Company 3.800%, 03/01/2046	50,000	59,953
Public Service Enterprise Group, Inc. 2.875%, 06/15/2024	220,000	234,717
Puget Energy, Inc. 3.650%, 05/15/2025 4.100%, 06/15/2030 (C)	250,000 205,000	267,101 226,273
Sempra Energy 3.400%, 02/01/2028 3.800%, 02/01/2038 4.000%, 02/01/2048	200,000 85,000 25,000	219,737 91,765 27,584

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Southern California Edison Company 2.250%, 06/01/2030 2.850%, 08/01/2029 3.650%, 02/01/2050 4.000%, 04/01/2047	\$ 210,000 150,000 130,000 72,000	\$ 213,245 158,478 142,797 82,217
The AES Corp. 3.300%, 07/15/2025 (C) 5.125%, 09/01/2027	175,000 5,000	180,217 5,188
The Connecticut Light & Power Company 4.000%, 04/01/2048	45,000	54,864
The Southern Company 2.950%, 07/01/2023 3.700%, 04/30/2030	70,000 370,000	73,971 422,289
Union Electric Company 4.000%, 04/01/2048	45,000	55,053
Xcel Energy, Inc. 3.500%, 12/01/2049	85,000	94,768
		9,736,483
<b>TOTAL CORPORATE BONDS (Cost \$91,210,353)</b>		<b>\$ 97,682,941</b>
<b>MUNICIPAL BONDS – 2.2%</b>		
Chicago Board of Education (Illinois) 6.038%, 12/01/2029 6.138%, 12/01/2039 6.319%, 11/01/2029	30,000 155,000 185,000	30,740 157,767 191,582
County of Riverside (California) 2.963%, 02/15/2027 3.070%, 02/15/2028	600,000 600,000	636,582 642,030
Metropolitan Transportation Authority (New York) 4.750%, 11/15/2045 5.175%, 11/15/2049	255,000 705,000	282,747 822,397
Municipal Electric Authority of Georgia 6.637%, 04/01/2057	198,000	287,947
New York Transportation Development Corp. 4.248%, 09/01/2035	825,000	899,209
Philadelphia Authority for Industrial Development (Pennsylvania) 6.550%, 10/15/2028	675,000	872,438
State of California 7.300%, 10/01/2039 7.550%, 04/01/2039 (D) 7.625%, 03/01/2040	30,000 70,000 20,000	50,155 124,648 35,304
State of Connecticut 3.000%, 07/01/2021	20,000	20,430
State of Illinois, GO 4.950%, 06/01/2023 5.000%, 01/01/2023 5.563%, 02/01/2021 5.947%, 04/01/2022	336,818 40,000 80,000 120,000	340,247 39,397 80,494 127,595
<b>TOTAL MUNICIPAL BONDS (Cost \$5,246,733)</b>		<b>\$ 5,641,709</b>
<b>TERM LOANS (G) – 1.5%</b>		
<b>Communication services – 0.3%</b>		
Clear Channel Outdoor Holdings, Inc., Term Loan B (3 month LIBOR + 3.500%) 4.260%, 08/21/2026	138,950	125,611
CSC Holdings LLC, 2019 Term Loan B5 (1 month LIBOR + 2.500%) 2.685%, 04/15/2027	98,503	93,244

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (G) (continued)</b>		
<b>Communication services (continued)</b>		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%) 3.500%, 02/01/2024	\$ 131,829	\$ 125,156
ION Media Networks, Inc., 2019 Term Loan B (3 month LIBOR + 3.000%) 3.813%, 12/18/2024	204,458	192,600
Terrier Media Buyer, Inc., Term Loan B (1 month LIBOR + 4.250%) 4.428%, 12/17/2026	109,450	104,160
T-Mobile USA, Inc., 2020 Term Loan (1 month LIBOR + 3.000%) 3.178%, 04/01/2027	100,000	99,784
		740,555
<b>Consumer discretionary – 0.4%</b>		
Adient US LLC, Term Loan B (1 and 3 month LIBOR + 4.000%) 4.253%, 05/06/2024	99,000	94,834
APX Group, Inc. 2020 Term Loan (Prime rate + 4.000% and 1 month LIBOR + 5.000%) 5.180%, 12/31/2025	197,006	182,538
Bass Pro Group LLC, Term Loan B (1 month LIBOR + 5.000%) 6.072%, 09/25/2024	97,250	93,325
Boyd Gaming Corp., Term Loan B3 (1 week LIBOR + 2.250%) 2.359%, 09/15/2023	69,911	65,563
Caesars Resort Collection LLC, 2017 1st Lien Term Loan B (1 month LIBOR + 2.750%) 2.928%, 12/23/2024	108,508	96,199
Clarios Global LP, USD Term Loan B (1 month LIBOR + 3.500%) 3.678%, 04/30/2026	99,250	94,288
Golden Entertainment, Inc., 2017 1st Lien Term Loan (1 month LIBOR + 3.000%) 3.750%, 10/21/2024	120,625	108,663
Hayward Industries, Inc., 1st Lien Term Loan (1 month LIBOR + 3.500%) 3.678%, 08/05/2024	100,000	96,000
Staples, Inc., 7 Year Term Loan (3 month LIBOR + 5.000%) 5.687%, 04/16/2026	127,091	108,981
		940,391
<b>Consumer staples – 0.2%</b>		
Brightview Landscapes LLC, 2018 1st Lien Term Loan B (1 month LIBOR + 2.500%) 2.722%, 08/15/2025	170,084	164,981
Coty, Inc., 2018 USD Term Loan B (1 month LIBOR + 2.250%) 2.425%, 04/07/2025	166,429	148,954
Reynolds Group Holdings, Inc., USD 2017 Term Loan (1 month LIBOR + 2.750%) 2.928%, 02/05/2023	115,145	109,722
Sunshine Luxembourg VII Sarl, USD Term Loan B1 (6 month LIBOR + 4.250%) 5.322%, 10/01/2026	149,250	142,596
		566,253
<b>Energy – 0.0%</b>		
California Resources Corp., Second Out Term Loan (3 month LIBOR + 10.375%) 11.375%, 12/31/2021	110,000	4,950

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (G) (continued)</b>		
<b>Energy (continued)</b>		
Foresight Energy LLC, 2017 1st Lien Term Loan 0.000%, 03/28/2022 (H)	\$ 121,338	\$ 7,280
		12,230
<b>Financials – 0.1%</b>		
Asurion LLC, 2018 Term Loan B6 (1 month LIBOR + 3.000%) 3.178%, 11/03/2023	184,902	178,584
Sedgwick Claims Management Services, Inc., 2019 Term Loan B (1 month LIBOR + 4.000%) 4.178%, 09/03/2026	133,650	127,970
		306,554
<b>Health care – 0.2%</b>		
Bausch Health Americas, Inc., 2018 Term Loan B (1 month LIBOR + 3.000%) 3.190%, 06/02/2025	76,624	74,354
Change Healthcare Holdings LLC, 2017 Term Loan B (1 and 3 month LIBOR + 2.500%) 3.500%, 03/01/2024	112,007	107,356
Endo International PLC, 2017 Term Loan B (1 month LIBOR + 4.250%) 5.000%, 04/29/2024	145,500	137,134
MPH Acquisition Holdings LLC, 2016 Term Loan B (3 month LIBOR + 2.750%) 3.750%, 06/07/2023	97,622	92,619
Pathway Vet Alliance LLC, 2020 Term Loan 03/31/2027 TBD (I)	92,484	90,403
		501,866
<b>Industrials – 0.2%</b>		
AVSC Holding Corp., 2018 1st Lien Term Loan (1, 3 and 6 month LIBOR + 3.250%) 4.250%, 03/03/2025	73,496	52,550
Brand Industrial Services, Inc., 2017 Term Loan (3 month LIBOR + 4.250%) 5.452%, 06/21/2024	194,000	177,025
Gardner Denver, Inc., 2020 USD Term Loan (1 month LIBOR + 1.750%) 1.928%, 03/01/2027	124,008	117,730
RBS Global, Inc., 2019 Term Loan B (1 month LIBOR + 1.750%) 1.935%, 08/21/2024	50,146	49,250
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 4.000%) 4.184%, 02/06/2026	99,750	97,007
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%) 2.428%, 05/30/2025	97,444	87,274
		580,836
<b>Information technology – 0.1%</b>		
The Ultimate Software Group, Inc., Term Loan B (1 month LIBOR + 3.750%) 3.928%, 05/04/2026	99,250	95,991
WEX, Inc. Term Loan B3 (1 month LIBOR + 2.250%) 2.428%, 05/15/2026	143,444	137,091
		233,082
<b>TOTAL TERM LOANS (Cost \$4,336,786)</b>	<b>\$</b>	<b>3,881,767</b>

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 15.7%</b>		
<b>Commercial and residential – 11.0%</b>		
Alternative Loan Trust		
Series 2005-27, Class 2A1 (12 month Treasury Average Index + 1.350%), 2.854%, 08/25/2035 (E)	\$ 159,919	\$ 138,288
Series 2005-56, Class 5A1 (1 month LIBOR + 0.320%), 0.505%, 11/25/2035 (E)	74,139	63,173
Series 2005-72, Class A1 (1 month LIBOR + 0.540%), 0.725%, 01/25/2036 (E)	23,397	21,726
Series 2005-7CB, Class 2A8 (1 month LIBOR + 0.450%), 0.635%, 03/01/2038 (E)	139,690	118,114
Series 2006-9T1, Class A1, 5.750%, 05/25/2036	91,835	63,221
American Home Mortgage Assets Trust		
Series 2006-3, Class 2A11 (12 month Treasury Average Index + 0.940%), 2.444%, 10/25/2046 (E)	44,420	35,336
Series 2007-2, Class A1 (1 month LIBOR + 0.120%), 0.310%, 03/25/2047 (E)	22,368	17,047
Angel Oak Mortgage Trust		
Series 2019-3, Class A1 2.930%, 05/25/2059 (C)(J)	579,058	585,283
Angel Oak Mortgage Trust I LLC		
Series 2019-2, Class A1 3.628%, 03/25/2049 (C)(J)	138,923	142,345
Arroyo Mortgage Trust		
Series 2019-2, Class A1 3.347%, 04/25/2049 (C)(J)	671,841	687,655
<b>BANK</b>		
Series 2017-BNK8, Class XA IO, 0.875%, 11/15/2050	4,470,276	191,600
Series 2019-BN18, Class XA IO, 1.049%, 05/15/2062	1,425,043	93,312
Series 2019-BN20, Class XA IO, 0.963%, 09/15/2062	2,457,359	155,932
Series 2019-BN22, Class XA IO, 0.719%, 11/15/2062	2,455,345	115,127
Series 2019-BN23, Class XA IO, 0.817%, 12/15/2052	1,932,406	106,180
Series 2019-BN24, Class XA IO, 0.768%, 11/15/2062	1,192,937	58,298
<b>BBCMS Mortgage Trust</b>		
Series 2017-C1, Class XA IO, 1.661%, 02/15/2050	3,383,230	216,257
Series 2017-DELC, Class A (1 month LIBOR + 0.850%), 1.035%, 08/15/2036 (C)(E)	949,000	906,243
<b>BBCMS Trust</b>		
Series 2013-TYSN, Class A2 3.756%, 09/05/2032 (C)	330,000	330,116
<b>BCAP LLC Trust</b>		
Series 2006-AA2, Class A1 (1 month LIBOR + 0.170%) 0.355%, 01/25/2037 (E)	125,554	126,370
<b>Bear Stearns ALT-A Trust</b>		
Series 2005-10, Class 11A1 (1 month LIBOR + 0.500%) 0.685%, 01/25/2036 (E)	147,662	168,706
<b>Bear Stearns Mortgage Funding Trust</b>		
Series 2006-AR3, Class 1A1 (1 month LIBOR + 0.180%) 0.365%, 10/25/2036 (E)	14,302	12,764

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Bellemeade Re, Ltd.		
Series 2019-1A, Class M1A (1 month LIBOR + 1.300%), 1.485%, 03/25/2029 (C)(E)	\$ 25,755	\$ 25,649
Series 2019-3A, Class M1A (1 month LIBOR + 1.100%), 1.285%, 07/25/2029 (C)(E)	48,222	48,044
Series 2019-4A, Class M1A (1 month LIBOR + 1.400%), 1.585%, 10/25/2029 (C)(E)	230,614	229,819
Benchmark Mortgage Trust		
Series 2018-B1, Class XA IO, 0.657%, 01/15/2051	1,341,216	40,165
Series 2018-B4, Class XA IO, 0.688%, 07/15/2051	2,387,046	71,657
Series 2018-B8, Class XA IO, 0.828%, 01/15/2052	4,916,394	221,609
Series 2019-B12, Class XA IO, 1.205%, 08/15/2052	1,097,455	72,146
<b>BX Commercial Mortgage Trust</b>		
Series 2019-XL, Class A (1 month LIBOR + 0.920%) 1.105%, 10/15/2036 (C)(E)	630,564	626,828
<b>CAMB Commercial Mortgage Trust</b>		
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%) 2.735%, 12/15/2037 (C)(E)	355,000	335,546
<b>Century Plaza Towers</b>		
Series 2019-CPT, Class A 2.865%, 11/13/2039 (C)	345,000	375,441
<b>Chase Mortgage Finance Trust</b>		
Series 2005-S3, Class A10 5.500%, 11/25/2035	161,427	150,904
<b>CHL Mortgage Pass-Through Trust</b>		
Series 2005-2, Class 2A3 (1 month LIBOR + 0.680%), 0.865%, 03/25/2035 (E)	36,692	32,334
Series 2007-HY4, Class 1A1, 3.772%, 09/25/2047 (J)	99,173	89,691
<b>CIM Trust</b>		
Series 2017-7, Class A 3.000%, 04/25/2057 (C)(J)	465,495	472,738
<b>Citigroup Commercial Mortgage Trust</b>		
Series 2014-GC23, Class XA IO, 1.093%, 07/10/2047	1,961,018	62,387
Series 2015-GC29, Class XA IO, 1.185%, 04/10/2048	1,689,134	70,592
<b>COLT Mortgage Loan Trust</b>		
Series 2019-2, Class A1, 3.337%, 05/25/2049 (C)(J)	230,900	233,646
Series 2019-4, Class A1, 2.579%, 11/25/2049 (C)(J)	376,745	380,455
<b>Commercial Mortgage Trust (Bank of America Merrill Lynch/Deutsche Bank AG)</b>		
Series 2013-WWP, Class A2 3.424%, 03/10/2031 (C)	800,000	850,036
<b>Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)</b>		
Series 2014-CR16, Class A4, 4.051%, 04/10/2047	480,000	523,644
Series 2014-CR17, Class A5, 3.977%, 05/10/2047	390,000	425,598

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2013-300P, Class A1, 4.353%, 08/10/2030 (C)	\$ 260,000	\$ 278,743
Series 2015-3BP, Class A, 3.178%, 02/10/2035 (C)	580,000	613,679
Series 2019-WCM, Class A (1 month LIBOR + 0.900%), 1.085%, 10/15/2036 (C)(E)	560,000	547,075
CSAIL Commercial Mortgage Trust		
Series 2015-C1, Class A4, 3.505%, 04/15/2050	15,000	16,171
Series 2015-C2, Class XA IO, 0.893%, 06/15/2057	5,122,371	144,280
Series 2016-C6, Class XA IO, 2.061%, 01/15/2049	1,286,794	95,487
CSMC Trust		
Series 2017-FHA1, Class A1 3.250%, 04/25/2047 (C)(J)	244,070	251,603
Deephaven Residential Mortgage Trust		
Series 2017-2A, Class A1, 2.453%, 06/25/2047 (C)(J)	64,706	64,660
Series 2019-2A, Class A1, 3.558%, 04/25/2059 (C)(J)	255,566	256,493
Series 2019-3A, Class A1, 2.964%, 07/25/2059 (C)(J)	599,227	608,329
Deutsche Alt-A Securities Mortgage Loan Trust		
Series 2007-AR2, Class A1 (1 month LIBOR + 0.150%) 0.335%, 03/25/2037 (E)	59,917	54,932
GMACM Mortgage Loan Trust		
Series 2006-AR1, Class 1A1 3.741%, 04/19/2036 (J)	144,441	121,818
GS Mortgage Securities Trust		
Series 2012-ALOH, Class A, 3.551%, 04/10/2034 (C)	670,000	677,790
Series 2014-GC20, Class A5, 3.998%, 04/10/2047	395,000	427,298
GSR Mortgage Loan Trust		
Series 2006-AR1, Class 2A1, 3.852%, 01/25/2036 (J)	6,001	5,841
Series 2007-1F, Class 4A1 (1 month LIBOR + 0.300%), 0.485%, 01/25/2037 (E)	98,443	30,748
HarborView Mortgage Loan Trust		
Series 2005-8, Class 1A2A (1 month LIBOR + 0.660%), 0.854%, 09/19/2035 (E)	34,825	29,009
Series 2006-12, Class 2A13 (1 month LIBOR + 0.240%), 0.434%, 12/19/2036 (E)	197,824	175,782
Series 2006-12, Class 2A2A (1 month LIBOR + 0.190%), 0.384%, 01/19/2038 (E)	72,678	63,882
Series 2007-7, Class 2A1B (1 month LIBOR + 1.000%), 1.185%, 10/25/2037 (E)	79,855	61,485
Home Re, Ltd.		
Series 2018-1, Class M1 (1 month LIBOR + 1.600%) 1.785%, 10/25/2028 (C)(E)	108,016	107,703

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
IndyMac INDA Mortgage Loan Trust		
Series 2006-AR3, Class 1A1 3.810%, 12/25/2036 (J)	\$ 53,689	\$ 47,463
JPMBB Commercial Mortgage Securities Trust		
Series 2014-C19, Class A4 3.997%, 04/15/2047	395,000	427,872
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2020-NNN, Class AFX 2.812%, 01/16/2037 (C)	160,000	162,579
JPMorgan Mortgage Trust		
Series 2006-A3, Class 3A2 3.620%, 05/25/2036 (J)	11,555	10,088
Legacy Mortgage Asset Trust		
Series 2019-GS6, Class A1, 7.000%, 06/25/2059 (C)	428,798	428,465
Series 2019-GS7, Class A1, 3.250%, 11/25/2059 (C)	526,494	523,642
Lehman XS Trust		
Series 2006-16N, Class A4A (1 month LIBOR + 0.190%) 0.375%, 11/25/2046 (E)	151,380	133,098
LSTAR Securities Investment Trust		
Series 2019-1, Class A1 (1 month LIBOR + 1.700%), 1.873%, 03/01/2024 (C)(E)	238,304	237,346
Series 2019-2, Class A1 (1 month LIBOR + 1.500%), 1.673%, 04/01/2024 (C)(E)	69,759	68,612
Series 2019-3, Class A1 (1 month LIBOR + 1.500%), 1.673%, 04/01/2024 (C)(E)	233,674	222,227
Series 2019-4, Class A1 (1 month LIBOR + 1.500%), 1.673%, 05/01/2024 (C)(E)	536,658	494,973
Luminent Mortgage Trust		
Series 2006-4, Class A1A (1 month LIBOR + 0.190%) 0.375%, 05/25/2046 (E)	144,824	121,798
MASTR Adjustable Rate Mortgages Trust		
Series 2004-13, Class 3A7 4.088%, 11/21/2034 (J)	23,297	23,266
MFA Trust		
Series 2017-RPL1, Class A1 2.588%, 02/25/2057 (C)(J)	97,717	98,378
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2014-C19, Class XA IO 1.150%, 12/15/2047	1,069,596	35,637
Morgan Stanley Capital I Trust		
Series 2014-150E, Class A, 3.912%, 09/09/2032 (C)	610,000	657,088
Series 2014-MP, Class A, 3.469%, 08/11/2033 (C)	475,000	485,602
Series 2017-H1, Class XA IO, 1.585%, 06/15/2050	765,989	48,916
Mortgage Insurance-Linked Notes		
Series 2019-1, Class M1 (1 month LIBOR + 1.900%) 2.085%, 11/26/2029 (C)(E)	407,000	396,394

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
MTRO Commercial Mortgage Trust Series 2019-TECH, Class D (1 month LIBOR + 1.800%) 1.985%, 12/15/2033 (C)(E)	\$ 300,000	\$ 282,736
Natixis Commercial Mortgage Securities Trust Series 2019-1776, Class C 2.906%, 10/15/2036 (C)	185,000	180,575
New Residential Mortgage Loan Trust Series 2016-2A, Class A1, 3.750%, 11/26/2035 (C)(J)	366,784	391,810
Series 2016-4A, Class A1, 3.750%, 11/25/2056 (C)(J)	371,716	395,089
Series 2017-1A, Class A1, 4.000%, 02/25/2057 (C)(J)	671,585	718,072
Series 2017-2A, Class A3, 4.000%, 03/25/2057 (C)(J)	629,313	676,133
Series 2017-3A, Class A1, 4.000%, 04/25/2057 (C)(J)	487,682	520,833
Series 2017-4A, Class A1, 4.000%, 05/25/2057 (C)(J)	386,860	415,096
Series 2017-5A, Class A1 (1 month LIBOR + 1.500%), 1.685%, 06/25/2057 (C)(E)	403,805	404,384
Series 2017-6A, Class A1, 4.000%, 08/27/2057 (C)(J)	564,085	601,525
Series 2018-1A, Class A1A, 4.000%, 12/25/2057 (C)(J)	235,671	249,744
Series 2018-4A, Class A1S (1 month LIBOR + 0.750%), 0.935%, 01/25/2048 (C)(E)	510,424	505,170
Series 2019-5A, Class A1B, 3.500%, 08/25/2059 (C)(J)	406,062	423,054
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(J)	239,379	241,036
Oaktown Re II, Ltd. Series 2018-1A, Class M1 (1 month LIBOR + 1.550%) 1.735%, 07/25/2028 (C)(E)	93,982	93,506
OBX Trust Series 2019-INV1, Class A8 4.000%, 11/25/2048 (C)(J)	302,524	304,275
PMT Credit Risk Transfer Trust Series 2019-1R, Class A (1 month LIBOR + 2.000%) 2.184%, 03/27/2024 (C)(E)	332,054	326,847
PRPM LLC Series 2019-GS1, Class A1 3.500%, 10/25/2024 (C)(J)	186,849	185,376
Radnor RE, Ltd. Series 2019-2, Class M1A (1 month LIBOR + 1.200%) 1.385%, 06/25/2029 (C)(E)	42,940	42,904
RALI Series Trust Series 2007-QH7, Class 1A1 (1 month LIBOR + 0.250%) 0.435%, 08/25/2037 (E)	65,398	58,381
Seasoned Credit Risk Transfer Trust Series 2019-3, Class MV 3.500%, 10/25/2058	130,605	150,242

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
SG Commercial Mortgage Securities Trust Series 2020-COVE, Class A 2.632%, 03/15/2037 (C)	\$ 645,000	\$ 645,422
Verus Securitization Trust Series 2019-2, Class A1 3.211%, 05/25/2059 (C)(J)	304,406	310,413
WaMu Mortgage Pass-Through Certificates Series 2007-HY6, Class 1A1 3.131%, 06/25/2037 (J)	19,418	17,399
Washington Mutual Mortgage Pass-Through Certificates Series 2006-5, Class 1A1 (1 month LIBOR + 0.600%) 0.785%, 07/25/2036 (E)	29,772	18,776
Wells Fargo Commercial Mortgage Trust Series 2014-LC16, Class A5, 3.817%, 08/15/2050	310,000	333,820
Series 2015-NXS1, Class D, 4.296%, 05/15/2048 (J)	40,000	31,099
Series 2015-NXS1, Class XA IO, 1.252%, 05/15/2048	1,636,342	66,527
Series 2015-NXS3, Class XA IO, 1.218%, 09/15/2057	3,663,046	132,654
WF-RBS Commercial Mortgage Trust Series 2014-C19, Class A5 4.101%, 03/15/2047	304,634	330,986
		<u>28,002,158</u>
<b>U.S. Government Agency – 4.7%</b>		
Federal Home Loan Mortgage Corp. Series 2018-HRP1, Class M2 (1 month LIBOR + 1.650%), 1.835%, 04/25/2043 (C)(E)	86,357	85,339
Series 2019-DNA2, Class M2 (1 month LIBOR + 2.450%), 2.635%, 03/25/2049 (C)(E)	330,370	325,628
Series 2019-DNA3, Class M2 (1 month LIBOR + 2.050%), 2.235%, 07/25/2049 (C)(E)	278,467	272,227
Series 2019-HQA1, Class M2 (1 month LIBOR + 2.350%), 2.535%, 02/25/2049 (C)(E)	448,830	439,261
Series 2019-HQA3, Class M2 (1 month LIBOR + 1.850%), 2.035%, 09/25/2049 (C)(E)	208,647	201,498
Series 3883, Class PB, 3.000%, 05/15/2041	112,083	120,749
Series 4139, Class PA, 2.500%, 11/15/2041	399,947	418,337
Series K064, Class X1 IO, 0.742%, 03/25/2027	2,298,467	81,379
Series K068, Class A2, 3.244%, 08/25/2027	545,000	625,176
Series K104, Class X1 IO, 1.127%, 01/25/2030	1,324,377	117,439
Federal National Mortgage Association Series 2012-18, Class GA, 2.000%, 12/25/2041	182,457	188,323
Series 2012-21, Class PQ, 2.000%, 09/25/2041	94,852	97,598
Series 2012-52, Class PA, 3.500%, 05/25/2042	109,907	118,920

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2012-75, Class KC, 2.500%, 12/25/2041	\$ 186,242	\$ 192,193
Series 2014-C04, Class 1M2 (1 month LIBOR + 4.900%), 5.085%, 11/25/2024 (E)	113,592	116,646
Series 2015-48, Class QB, 3.000%, 02/25/2043	259,187	268,897
Series 2015-C04, Class 1M2 (1 month LIBOR + 5.700%), 5.885%, 04/25/2028 (E)	56,114	58,972
Series 2016-11, Class GA, 2.500%, 03/25/2046	171,134	179,054
Series 2016-38, Class NA , 3.000%, 01/25/2046	74,647	80,170
Series 2016-C02, Class 1M2 (1 month LIBOR + 6.000%), 6.185%, 09/25/2028 (E)	45,892	47,588
Series 2016-C07, Class 2M2 (1 month LIBOR + 4.350%), 4.535%, 05/25/2029 (E)	321,685	332,775
Series 2017-26, Class CG, 3.500%, 07/25/2044	271,119	284,828
Series 2017-34, Class JK, 3.000%, 05/25/2047	139,941	144,862
Series 2017-35, Class AH, 3.500%, 04/25/2053	311,014	320,738
Series 2017-49, Class JA, 4.000%, 07/25/2053	242,137	254,253
Series 2017-72, Class B, 3.000%, 09/25/2047	237,312	253,791
Series 2017-72, Class CD, 3.000%, 09/25/2047	248,655	266,459
Series 2017-84, Class KA, 3.500%, 04/25/2053	192,386	198,019
Series 2017-96, Class PA, 3.000%, 12/25/2054	307,602	321,412
Series 2017-C01, Class 1M2 (1 month LIBOR + 3.550%), 3.735%, 07/25/2029 (E)	210,585	214,095
Series 2018-19, Class DC, 3.500%, 05/25/2056	148,330	155,829
Series 2018-23, Class LA, 3.500%, 04/25/2048	237,805	257,702
Series 2018-38, Class PC, 3.500%, 03/25/2045	218,685	224,976
Series 2018-70, Class HA, 3.500%, 10/25/2056	265,639	286,046
Series 2018-72, Class BA, 3.500%, 07/25/2054	345,132	363,410
Series 2018-77, Class PA, 3.500%, 02/25/2048	116,559	122,353
Series 2018-80, Class GD, 3.500%, 12/25/2047	266,358	282,426
Series 2019-12, Class HA, 3.500%, 11/25/2057	286,984	311,234
Series 2019-14, Class CA, 3.500%, 04/25/2049	275,364	301,320
Series 2019-15, Class AB, 3.500%, 05/25/2053	275,682	289,786
Series 2019-28, Class JA, 3.500%, 06/25/2059	262,834	292,225

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2019-41, Class AC, 2.500%, 03/25/2053	\$ 306,103	\$ 315,934
Series 2019-45, Class PT, 3.000%, 08/25/2049	391,586	420,098
Series 2019-7, Class CA, 3.500%, 11/25/2057	263,401	286,162
Series 2019-7, Class JA, 3.500%, 03/25/2049	262,539	282,184
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 2.335%, 11/25/2039 (C)(E)	164,474	150,658
Series 2019-R03, Class 1M2 (1 month LIBOR + 2.150%), 2.335%, 09/25/2031 (C)(E)	191,674	189,271
Series 2019-R04, Class 2M2 (1 month LIBOR + 2.100%), 2.285%, 06/25/2039 (C)(E)	338,713	328,819
Series 415, Class A3, 3.000%, 11/25/2042	294,955	316,180
Government National		
Mortgage Association		
Series 2006-38, Class XS IO, 7.055%, 09/16/2035	48,990	6,798
Series 2013-37, Class LG, 2.000%, 01/20/2042	277,112	286,008
		12,096,045
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$39,634,701)		\$ 40,098,203
<b>ASSET BACKED SECURITIES – 9.8%</b>		
AASET Trust		
Series 2020-1A, Class A 3.351%, 01/16/2040 (C)	242,675	213,713
ABFC Trust		
Series 2006-HE1, Class A2D (1 month LIBOR + 0.220%) 0.405%, 01/25/2037 (E)	123,932	81,618
AmeriCredit Automobile Receivables Trust		
Series 2019-3, Class D 2.580%, 09/18/2025	295,000	293,079
Atrium XII		
Series 12A, Class AR (3 month LIBOR + 0.830%) 1.928%, 04/22/2027 (C)(E)	758,727	751,924
Avery Point IV CLO, Ltd.		
Series 2014-1A, Class AR (3 month LIBOR + 1.100%) 2.091%, 04/25/2026 (C)(E)	190,795	190,451
Bayview Koitere Fund Trust		
Series 2017-RT4, Class A 3.500%, 07/28/2057 (C)(J)	515,339	532,056
Series 2017-SPL3, Class A 4.000%, 11/28/2053 (C)(J)	199,548	206,602
Bayview Mortgage Fund IVc Trust		
Series 2017-RT3, Class A 3.500%, 01/28/2058 (C)(J)	348,699	352,760
Bayview Opportunity Master Fund IVa Trust		
Series 2017-SPL1, Class A 4.000%, 10/28/2064 (C)(J)	433,332	449,049

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Bayview Opportunity Master Fund IVa Trust (continued) Series 2017-SPL5, Class A 3.500%, 06/28/2057 (C)(J)	\$ 261,326	\$ 269,263
Bayview Opportunity Master Fund IVb Trust Series 2017-SPL4, Class A 3.500%, 01/28/2055 (C)(J)	219,898	224,155
Carlyle Global Market Strategies CLO, Ltd. Series 2015-2A, Class AIR (3 month LIBOR + 0.780%) 1.771%, 04/27/2027 (C)(E)	603,633	596,918
CIG Auto Receivables Trust Series 2017-1A, Class A 2.710%, 05/15/2023 (C)	7,564	7,577
Citigroup Mortgage Loan Trust Series 2019-E, Class A1 3.228%, 11/25/2070 (C)	257,822	258,420
Credit Acceptance Auto Loan Trust Series 2017-3A, Class A 2.650%, 06/15/2026 (C)	78,101	78,321
Domino's Pizza Master Issuer LLC Series 2018-1A, Class A2I 4.116%, 07/25/2048 (C) Series 2019-1A, Class A2 3.668%, 10/25/2049 (C)	363,525 174,125	386,987 182,412
Drive Auto Receivables Trust Series 2019-4, Class D 2.700%, 02/16/2027	255,000	255,567
Exeter Automobile Receivables Trust Series 2019-4A, Class D 2.580%, 09/15/2025 (C) Series 2020-1A, Class D 2.730%, 12/15/2025 (C)	570,000 170,000	568,650 169,790
First Franklin Mortgage Loan Trust Series 2006-FF12, Class A5 (1 month LIBOR + 0.310%) 0.495%, 09/25/2036 (E)	240,000	191,242
GSAA Home Equity Trust Series 2006-10, Class AF3 5.985%, 06/25/2036 (J) Series 2006-15, Class AF6 5.876%, 09/25/2036 Series 2006-20, Class 2A1A (1 month LIBOR + 0.050%) 0.235%, 12/25/2046 (E)	162,752 407,492 288,483	66,792 172,003 178,272
GSAA Trust Series 2005-7, Class AF4 5.058%, 05/25/2035	275,095	275,167
GSAMP Trust Series 2007-FM2, Class A2B (1 month LIBOR + 0.090%) 0.275%, 01/25/2037 (E)	237,424	148,347
LCM XX LP Series 2020-A, Class AR (3 month LIBOR + 1.040%) 2.175%, 10/20/2027 (C)(E)	490,000	482,481
Legacy Mortgage Asset Trust Series 2018-GS1, Class A1 4.000%, 03/25/2058 (C)	788,955	808,195
Madison Park Funding XII, Ltd. Series 2014-12A, Class B1R (3 month LIBOR + 1.650%) 2.785%, 07/20/2026 (C)(E)	530,000	528,899

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
MFA LLC Series 2017-NPL1, Class A1 3.352%, 11/25/2047 (C)	\$ 384,120	\$ 384,825
New Residential Advance Receivables Trust Series 2019-T4, Class AT4 2.329%, 10/15/2051 (C)	625,000	616,964
New Residential Mortgage LLC Series 2018-FNT2, Class A 3.790%, 07/25/2054 (C)	638,155	623,444
NRZ Excess Spread-Collateralized Notes Series 2018-PLS1, Class A 3.193%, 01/25/2023 (C) Series 2018-PLS2, Class A 3.265%, 02/25/2023 (C)	341,693 213,584	343,592 214,800
OCP CLO, Ltd. Series 2015-9A, Class A1R (3 month LIBOR + 0.800%) 2.019%, 07/15/2027 (C)(E)	431,213	428,298
OnDeck Asset Securitization Trust II LLC Series 2019-1A, Class A 2.650%, 11/18/2024 (C)	376,197	376,284
OneMain Financial Issuance Trust Series 2017-1A, Class A1 2.370%, 09/14/2032 (C)	409,796	411,008
OZLM XII, Ltd. Series 2015-12A, Class A1R (3 month LIBOR + 1.050%) 1.810%, 04/30/2027 (C)(E)	1,025,000	1,014,787
Palmer Square Loan Funding, Ltd. Series 2018-5A, Class A1 (3 month LIBOR + 0.850%) 1.985%, 01/20/2027 (C)(E)	419,615	416,244
Pretium Mortgage Credit Partners I LLC Series 2019-CFL1, Class A1 3.721%, 01/25/2059 (C) Series 2019-NPL3, Class A1 3.105%, 07/27/2059 (C) Series 2020-NPL1, Class A1 2.858%, 05/27/2059 (C)	343,307 426,812 540,152	340,404 424,204 534,524
Securitized Asset Backed Receivables LLC Trust Series 2006-HE1, Class A2B (1 month LIBOR + 0.090%) 0.275%, 07/25/2036 (E)	142,226	64,518
Shackleton VIII CLO, Ltd. Series 2015-8A, Class A1R (3 month LIBOR + 0.920%) 2.055%, 10/20/2027 (C)(E)	1,259,122	1,244,949
SoFi Consumer Loan Program LLC Series 2016-2, Class A 3.090%, 10/27/2025 (C) Series 2016-3, Class A 3.050%, 12/26/2025 (C) Series 2017-1, Class A 3.280%, 01/26/2026 (C) Series 2017-3, Class A 2.770%, 05/25/2026 (C) Series 2017-4, Class A 2.500%, 05/26/2026 (C)	10,908 8,443 23,701 21,544 46,719	10,927 8,452 23,787 21,670 47,166
Soundview Home Loan Trust Series 2007-OPT2, Class 2A3 (1 month LIBOR + 0.180%) 0.365%, 07/25/2037 (E)	34,729	32,040

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Springleaf Funding Trust		
Series 2017-AA, Class A		
2.680%, 07/15/2030 (C)	\$ 900,000	\$ 899,186
TICP CLO III-2, Ltd.		
Series 2018-3R, Class A (3 month		
LIBOR + 0.840%)		
1.975%, 04/20/2028 (C)(E)	390,000	385,527
Towd Point Mortgage Trust		
Series 2015-3, Class A1B		
3.000%, 03/25/2054 (C)(J)	14,244	14,351
Series 2015-4, Class A1B		
2.750%, 04/25/2055 (C)(J)	61,808	62,288
Series 2016-2, Class A1A		
2.750%, 08/25/2055 (C)(J)	215,751	220,723
Series 2016-3, Class A1		
2.250%, 04/25/2056 (C)(J)	248,184	249,599
Series 2017-1, Class A1		
2.750%, 10/25/2056 (C)(J)	661,707	677,096
Series 2017-2, Class A1		
2.750%, 04/25/2057 (C)(J)	161,536	164,380
Series 2017-3, Class A1		
2.750%, 07/25/2057 (C)(J)	302,133	309,365
Series 2017-4, Class A1		
2.750%, 06/25/2057 (C)(J)	462,646	476,315
Series 2017-5, Class A1 (1 month		
LIBOR + 0.600%)		
0.785%, 02/25/2057 (C)(E)	346,971	343,854
Venture XXI CLO, Ltd.		
Series 2015-21A, Class AR (3 month		
LIBOR + 0.880%)		
2.099%, 07/15/2027 (C)(E)	800,033	790,016
Vericrest Opportunity Loan Trust		
Series 2019-NPL7, Class A1A		
3.179%, 10/25/2049 (C)	384,772	381,073
Series 2019-NPL8, Class A1A		
3.278%, 11/25/2049 (C)	532,353	531,758
VOLT LXIV LLC		
Series 2017-NP11, Class A1		
3.375%, 10/25/2047 (C)	251,346	251,195
VOLT LXXX LLC		
Series 2019-NPL6, Class A1A		
3.228%, 10/25/2049 (C)	516,834	514,427
VOLT LXXXIII LLC		
Series 2019-NPL9, Class A1A		
3.327%, 11/26/2049 (C)	208,318	207,953
VOLT LXXXIV LLC		
Series 2019-NP10, Class A1A		
3.426%, 12/27/2049 (C)	727,881	725,941
Wendy's Funding LLC		
Series 2018-1A, Class A2II		
3.884%, 03/15/2048 (C)	229,125	241,993
Westlake Automobile Receivables Trust		
Series 2017-2A, Class D		
3.280%, 12/15/2022 (C)	535,000	540,386
Series 2019-3A, Class D		
2.720%, 11/15/2024 (C)	420,000	421,063
Wingstop Funding LLC		
Series 2018-1, Class A2		
4.970%, 12/05/2048 (C)	212,850	221,875
<b>TOTAL ASSET BACKED SECURITIES (Cost</b>		
<b>\$25,313,503)</b>		<b>\$ 25,133,961</b>

## Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
<b>PURCHASED OPTIONS – 0.0%</b>		
<b>Puts – 0.0%</b>		
Over the Counter Option on 10 Year		
Interest Rate Swap. Receive a floating		
rate based on 3-month USD LIBOR		
and pay a fixed rate of 1.700%		
(Expiration Date: 11-23-20; Strike		
Rate: 1.700%; Counterparty: Bank of		
America N.A.) (K)(L)	1,465,000	\$ 527
<b>TOTAL PURCHASED OPTIONS (Cost \$36,698)</b>		<b>\$ 527</b>
<b>CERTIFICATE OF DEPOSIT – 0.0%</b>		
Credit Agricole Corporate and		
Investment Bank (3 month LIBOR +		
0.400%) 0.697%, 09/24/2020 (E)	\$ 50,000	50,052
<b>TOTAL CERTIFICATE OF DEPOSIT (Cost \$50,002)</b>		<b>\$ 50,052</b>
<b>SHORT-TERM INVESTMENTS – 5.3%</b>		
<b>Foreign government – 0.1%</b>		
Italy Treasury Bill		
(0.287%), 11/27/2020 *	EUR 25,000	28,104
Province of British Columbia		
1.740%, 07/02/2020 *	CAD 100,000	73,659
		101,763
<b>Short-term funds – 0.6%</b>		
John Hancock Collateral Trust,		
0.2429% (M)(N)	162,654	1,628,373
<b>Repurchase agreement – 4.6%</b>		
Deutsche Bank Tri-Party Repurchase		
Agreement dated 6-30-20 at 0.090%		
to be repurchased at \$11,800,030 on		
7-1-20, collateralized by \$12,043,700		
U.S. Treasury Notes, 0.125% due		
5-31-22 (valued at \$12,036,010)	\$ 11,800,000	11,800,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$13,532,462)</b>		<b>\$ 13,530,136</b>
<b>Total Investments (Investment Quality Bond Trust)</b>		<b>\$ 335,438,597</b>
<b>(Cost \$320,361,805) – 131.3%</b>		<b>(79,879,900)</b>
<b>Other assets and liabilities, net – (31.3%)</b>		<b>(79,879,900)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 255,558,697</b>

### Currency Abbreviations

ARS	Argentine Peso
CAD	Canadian Dollar
EUR	Euro
GBP	Pound Sterling
MXN	Mexican Peso

### Security Abbreviations and Legend

GO	General Obligation
ICE	Intercontinental Exchange
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
(B)	Security purchased or sold on a when-issued or delayed delivery basis.

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

- (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 \$73,030,992 or 28.6% of the fund's net assets as of 6-30-20.
- (D) All or a portion of this security is on loan as of 6-30-20.
- (E) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (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) Non-income producing - Issuer is in default.
- (I) 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).

## Investment Quality Bond Trust (continued)

- (J) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
- (K) Non-income producing security.
- (L) For this type of option, notional amounts are equivalent to number of contracts.
- (M) The rate shown is the annualized seven-day yield as of 6-30-20.
- (N) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
- \*
- Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	71	Long	Sep 2020	\$8,914,669	\$8,927,695	\$13,026
10-Year U.S. Treasury Note Futures	9	Short	Sep 2020	(1,247,688)	(1,252,547)	(4,859)
10-Year U.S. Treasury Note Futures	40	Short	Sep 2020	(6,287,989)	(6,299,374)	(11,385)
Euro-Buxl Futures	1	Short	Sep 2020	(236,257)	(247,125)	(10,868)
German Euro BUND Futures	9	Short	Sep 2020	(1,780,018)	(1,784,881)	(4,863)
U.S. Treasury Long Bond Futures	14	Short	Sep 2020	(2,483,627)	(2,499,875)	(16,248)
Ultra U.S. Treasury Bond Futures	51	Short	Sep 2020	(11,116,782)	(11,125,969)	(9,187)
						<b>\$(44,384)</b>

<sup>^</sup> Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

### FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD 76,628	CAD 100,000	MSI	7/2/2020	\$2,968	—
USD 64,096	CAD 85,000	SSB	7/7/2020	1,484	—
USD 11,414	CAD 15,000	CITI	8/14/2020	364	—
USD 38,265	CAD 50,000	JPM	8/14/2020	1,431	—
USD 30,160	CAD 40,000	MSI	8/14/2020	693	—
USD 226,131	CAD 300,000	HSBC	11/25/2020	5,084	—
USD 1,407,549	EUR 1,247,000	JPM	9/16/2020	4,202	—
USD 27,980	EUR 25,000	MSI	11/27/2020	—	\$(207)
USD 198,916	GBP 157,000	BNP	9/16/2020	4,291	—
USD 272,467	MXN 5,530,000	GSI	6/10/2021	41,434	—
				<b>\$61,951</b>	<b>\$(207)</b>

## SWAPS

### Interest rate swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
JPM	5,100,000	USD	Fixed 4.318%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2028	—	\$(1,618,944)	\$(1,618,944)
JPM	2,100,000	USD	Fixed 3.425%	USD LIBOR BBA	Semi-Annual	Quarterly	Jun 2039	—	(972,714)	(972,714)
								—	<b>\$(2,591,658)</b>	<b>\$(2,591,658)</b>
Centrally cleared	3,540,000	USD	Fixed 2.360%	USD LIBOR BBA	Semi-Annual	Quarterly	Apr 2024	—	(288,523)	(288,523)
Centrally cleared	1,470,000	USD	Fixed 2.358%	USD LIBOR BBA	Semi-Annual	Quarterly	Apr 2024	—	(119,693)	(119,693)
				USD Federal Funds Rate						
Centrally cleared	1,620,000	USD	Fixed 1.625%	Compounded OIS	Annual	Annual	Nov 2026	—	(158,100)	(158,100)
Centrally cleared	445,000	USD	Fixed 1.716%	USD LIBOR BBA	Semi-Annual	Quarterly	Oct 2029	—	(46,121)	(46,121)

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Investment Quality Bond Trust (continued)

### Interest rate swaps (continued)

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	650,000	USD	Fixed 1.766%	USD LIBOR BBA	Semi-Annual	Quarterly	Oct 2029	—	\$(70,515)	\$(70,515)
Centrally cleared	1,390,000	USD	Fixed 0.836%	USD LIBOR BBA	Semi-Annual	Quarterly	Mar 2030	—	(31,118)	(31,118)
Centrally cleared	1,640,000	USD	Fixed 2.750%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2047	\$(33,872)	(728,347)	(762,219)
								\$(33,872)	\$(1,442,417)	\$(1,476,289)
								\$(33,872)	\$(4,034,075)	\$(4,067,947)

### Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
GSI	CMBX.NA.AAA.12	1,360,000	USD	\$1,360,000	0.500%	Monthly	Aug 2061	\$24,872	\$(19,809)	\$5,063
GSI	CMBX.NA.AAA.12	335,000	USD	335,000	0.500%	Monthly	Aug 2061	803	444	1,247
				\$1,695,000				\$25,675	\$(19,365)	\$6,310

### Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
DB	CMBX.NA.BBB-6	21.607%	110,000	USD	\$110,000	3.000%	Monthly	May 2063	\$(17,675)	\$(16,929)	\$(34,604)
GSI	CMBX.NA.BBB-6	21.607%	140,000	USD	140,000	3.000%	Monthly	May 2063	(22,340)	(21,701)	(44,041)
GSI	CMBX.NA.BBB-6	21.607%	1,335,000	USD	1,335,000	3.000%	Monthly	May 2063	(81,849)	(337,891)	(419,740)
GSI	CMBX.NA.BBB-6	21.607%	1,390,000	USD	1,390,000	3.000%	Monthly	May 2063	(86,120)	(350,912)	(437,032)
MSI	CMBX.NA.BBB-6	21.607%	255,000	USD	255,000	3.000%	Monthly	May 2063	(39,602)	(40,615)	(80,217)
MSI	CMBX.NA.BBB-6	21.607%	130,000	USD	130,000	3.000%	Monthly	May 2063	(20,527)	(20,368)	(40,895)
MSI	CMBX.NA.BBB-6	21.607%	115,000	USD	115,000	3.000%	Monthly	May 2063	(18,504)	(17,673)	(36,177)
MSI	CMBX.NA.BBB-6	21.607%	69,000	USD	69,000	3.000%	Monthly	May 2063	(11,108)	(10,598)	(21,706)
					\$3,544,000				\$(297,725)	\$(816,687)	\$(1,114,412)
Centrally cleared	CDX.EM.33	1.948%	2,807,250	USD	2,807,250	1.000%	Quarterly	Jun 2025	(315,352)	191,122	(124,230)
Centrally cleared	CDX.NA.IG.34	0.755%	675,000	USD	675,000	1.000%	Quarterly	Jun 2025	8,952	(739)	8,213
Centrally cleared	Republic of Brazil	2.505%	110,000	USD	110,000	1.000%	Quarterly	Jun 2025	(7,357)	(379)	(7,736)
Centrally cleared	Republic of South Africa	3.033%	115,000	USD	115,000	1.000%	Quarterly	Jun 2025	(10,250)	(534)	(10,784)
Centrally cleared	Republic of Turkey	4.810%	125,000	USD	125,000	1.000%	Quarterly	Jun 2025	(20,159)	(606)	(20,765)
Centrally cleared	Russian Federation	1.102%	105,000	USD	105,000	1.000%	Quarterly	Jun 2025	(40)	(456)	(496)
					\$3,937,250				\$(344,206)	\$188,408	\$(155,798)
					\$7,481,250				\$(641,931)	\$(628,279)	\$(1,270,210)

### Derivatives Currency Abbreviations

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

### Derivatives Abbreviations

BBA	The British Banker's Association
BNP	BNP Paribas
CITI	Citibank, N.A.
DB	Deutsche Bank AG
GSI	Goldman Sachs International
HSBC	HSBC Bank PLC
JPM	JPMorgan Chase Bank, N.A.
LIBOR	London Interbank Offered Rate
MSI	Morgan Stanley & Co. International PLC
OIS	Overnight Index Swap
OTC	Over-the-counter
SSB	State Street Bank and Trust Company

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

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Money Market Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT – 24.1%</b>		
U.S. Treasury Bill		
0.081%, 07/02/2020	\$ 73,426,100	\$ 73,425,937
0.099%, 07/28/2020	73,415,200	73,409,804
0.127%, 07/07/2020	73,337,600	73,336,072
0.132%, 08/20/2020	28,636,500	28,631,330
0.132%, 07/30/2020	55,106,100	55,100,329
0.133%, 08/25/2020	36,795,600	36,788,208
0.137%, 11/05/2020	36,816,000	36,798,466
0.150%, 09/24/2020	55,067,400	55,048,222
0.152%, 08/11/2020	54,971,400	54,962,009
0.152%, 07/23/2020	36,594,600	36,591,246
0.304%, 07/16/2020	18,327,700	18,325,409
U.S. Treasury Note		
0.326%, 10/31/2021 (A)	7,252,800	7,265,324
0.448%, 02/28/2021	5,000,000	5,067,162
1.616%, 11/30/2020	10,995,400	11,046,624
1.624%, 09/30/2020	14,649,000	14,639,822
<b>TOTAL U.S. GOVERNMENT (Cost \$580,435,964)</b>		<b>\$ 580,435,964</b>
<b>U.S. GOVERNMENT AGENCY – 65.1%</b>		
Federal Agricultural Mortgage Corp.		
0.183%, (SOFR + 0.100%), 08/23/2021 (A)	10,000,000	10,000,000
0.183%, (SOFR + 0.100%), 04/01/2021 (A)	12,000,000	12,000,000
0.191%, (1 month LIBOR + 0.010%), 06/04/2021 (A)	17,000,000	17,000,000
0.223%, (1 month LIBOR + 0.030%), 11/20/2020 (A)	14,808,000	14,808,000
0.233%, (Prime rate - 3.020%), 09/01/2020 (A)	7,526,000	7,526,000
0.236%, (1 month LIBOR + 0.060%), 04/01/2021 (A)	7,484,000	7,484,000
0.261%, (1 month LIBOR + 0.060%), 10/01/2020 (A)	18,618,000	18,616,803
0.285%, (1 month LIBOR + 0.040%), 07/24/2020 (A)	12,361,000	12,360,559
0.458%, 02/25/2021	7,470,000	7,447,683
0.714%, 03/18/2021	2,970,000	2,970,000
1.415%, 08/21/2020	55,001,000	54,892,454
Federal Farm Credit Bank		
0.122%, 07/17/2020	29,407,000	29,405,432
0.132%, 08/03/2020	18,447,000	18,444,802
0.151%, (1 month LIBOR + 0.010%), 07/30/2020 (A)	19,678,000	19,678,618
0.155%, 08/10/2020	1,965,000	1,970,458
0.156%, 11/23/2020	23,562,000	23,547,409
0.167%, (U.S. Federal Funds Effective Rate + 0.085%), 03/10/2021 (A)	18,713,000	18,713,000
0.176%, (1 month LIBOR + 0.010%), 08/24/2020 (A)	1,204,000	1,204,039
0.177%, (U.S. Federal Funds Effective Rate + 0.100%), 07/26/2021 (A)	15,093,000	15,093,000
0.177%, (1 month LIBOR + 0.080%), 03/29/2021 (A)	2,953,000	2,954,870
0.183%, 02/18/2021	32,899,000	32,860,837
0.187%, (1 month LIBOR), 09/25/2020 (A)	16,549,000	16,548,999
0.193%, (SOFR + 0.110%), 05/27/2021 (A)	14,743,000	14,743,000
0.195%, (1 month LIBOR + 0.020%), 03/17/2021 (A)	2,224,000	2,224,259
0.198%, (1 month LIBOR), 10/07/2020 (A)	7,591,000	7,590,582
0.202%, (1 month LIBOR), 12/22/2021 (A)	7,258,000	7,256,974

## Money Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AGENCY (continued)</b>		
Federal Farm Credit Bank (continued)		
0.208%, (U.S. Federal Funds Effective Rate + 0.120%), 02/09/2021 (A)	\$ 7,814,000	\$ 7,813,764
0.208%, (Prime rate - 3.050%), 12/11/2020 (A)	11,101,000	11,100,752
0.209%, 06/23/2021	6,505,000	6,505,000
0.211%, (1 month LIBOR + 0.030%), 05/03/2021 (A)	11,103,000	11,103,000
0.218%, (1 month LIBOR + 0.020%), 08/25/2020 (A)	7,595,000	7,594,940
0.219%, (1 month LIBOR), 12/16/2020 (A)	21,159,000	21,156,934
0.223%, (1 month LIBOR + 0.020%), 01/22/2021 (A)	3,773,000	3,772,901
0.223%, (1 month LIBOR + 0.040%), 05/13/2021 (A)	11,650,000	11,650,000
0.223%, (Prime rate - 3.030%), 06/23/2021 (A)	14,000,000	14,000,000
0.232%, (1 month LIBOR + 0.040%), 01/19/2021 (A)	7,529,000	7,529,000
0.243%, (Prime rate - 3.010%), 06/07/2021 (A)	11,394,000	11,394,000
0.252%, (Prime rate - 2.950%), 07/20/2020 (A)	7,676,000	7,676,209
0.256%, (1 month LIBOR + 0.270%), 05/25/2021 (A)	3,702,000	3,708,790
0.256%, (1 month LIBOR + 0.160%), 07/01/2021 (A)	366,000	366,298
0.257%, (1 month LIBOR + 0.030%), 11/02/2021 (A)	2,321,000	2,319,710
0.259%, (1 month LIBOR + 0.160%), 01/25/2021 (A)	758,000	758,389
0.261%, (3 month LIBOR + 0.010%), 09/20/2021 (A)	3,520,000	3,522,554
0.263%, (1 month LIBOR + 0.080%), 07/26/2021 (A)	366,000	366,002
0.268%, (1 month LIBOR + 0.080%), 08/25/2021 (A)	11,191,000	11,191,000
0.272%, (1 month LIBOR + 0.010%), 03/12/2021 (A)	758,000	757,637
0.272%, 12/21/2020	1,646,000	1,672,240
0.280%, (1 month LIBOR + 0.110%), 09/24/2021 (A)	366,000	366,087
0.285%, (1 month LIBOR + 0.010%), 04/19/2021 (A)	758,000	757,526
0.291%, (1 month LIBOR + 0.110%), 12/10/2021 (A)	11,097,000	11,097,000
0.298%, (Prime rate - 2.960%), 07/09/2020 (A)	21,474,000	21,473,980
0.299%, (1 month LIBOR + 0.110%), 03/25/2021 (A)	7,481,000	7,481,000
0.305%, (Prime rate - 2.930%), 09/24/2020 (A)	776,000	776,035
0.313%, (Prime rate - 2.980%), 11/12/2020 (A)	776,000	775,887
0.314%, (3 month USBBMMY + 0.160%), 01/19/2021 (A)	7,783,000	7,783,000
0.331%, (Prime rate - 2.930%), 08/27/2020 (A)	8,830,000	8,829,911
0.335%, (Prime rate - 3.030%), 09/03/2021 (A)	7,271,000	7,261,501
0.343%, (1 month LIBOR + 0.160%), 10/04/2021 (A)	4,480,000	4,480,000
0.345%, (Prime rate - 2.920%), 12/17/2020 (A)	6,500,000	6,499,852
0.350%, (3 month LIBOR), 11/16/2021 (A)	892,000	892,497

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Money Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AGENCY (continued)</b>		
Federal Farm Credit Bank (continued)		
0.375%, (3 month USBMMY + 0.140%), 05/28/2021 (A)	\$ 7,338,000	\$ 7,332,643
0.447%, 02/24/2021	11,152,000	11,119,560
0.456%, (3 month USBMMY + 0.290%), 04/11/2022 (A)	9,468,000	9,466,281
0.461%, 07/16/2020	20,000,000	20,017,508
0.466%, (SOFR + 0.380%), 04/22/2022 (A)	7,376,000	7,376,000
0.488%, 02/17/2021	11,149,000	11,114,661
0.528%, 10/02/2020	14,929,000	14,908,945
0.529%, 01/15/2021	18,661,000	18,607,630
0.723%, (3 month LIBOR - 0.135%), 10/29/2020 (A)	15,044,000	15,043,632
1.247%, 11/04/2020	19,887,000	19,801,784
1.250%, 09/15/2020	10,956,000	10,927,551
1.563%, 12/22/2020	7,304,000	7,249,987
1.633%, 07/13/2020	11,093,000	11,087,047
1.798%, 08/13/2020	18,719,000	18,679,425
Federal Home Loan Bank		
0.092%, 07/29/2020	1,465,000	1,466,954
0.101%, (SOFR + 0.020%), 08/19/2020 (A)	10,865,000	10,865,000
0.102%, (SOFR + 0.040%), 08/25/2020 (A)	9,585,000	9,585,286
0.106%, 07/31/2020	36,820,000	36,816,778
0.112%, (SOFR + 0.030%), 09/04/2020 (A)	18,260,000	18,260,000
0.117%, 07/06/2020	18,373,000	18,372,707
0.117%, 07/24/2020	36,931,000	36,928,287
0.117%, 07/17/2020	36,712,000	36,710,124
0.122%, (SOFR + 0.040%), 07/02/2020 (A)	59,225,000	59,225,000
0.127%, (SOFR + 0.040%), 08/14/2020 (A)	18,230,000	18,230,000
0.131%, (SOFR + 0.100%), 07/29/2020 (A)	1,150,000	1,150,046
0.132%, (SOFR + 0.030%), 08/05/2020 (A)	18,545,000	18,544,641
0.137%, 08/12/2020	3,678,000	3,677,421
0.137%, 08/18/2020	18,404,000	18,400,756
0.141%, 08/21/2020	49,663,000	49,653,231
0.145%, (SOFR + 0.030%), 07/17/2020 (A)	2,955,000	2,954,956
0.152%, (SOFR + 0.050%), 01/22/2021 (A)	10,745,000	10,743,793
0.152%, (SOFR + 0.080%), 10/02/2020 (A)	18,400,000	18,400,473
0.152%, (SOFR + 0.070%), 10/02/2020 (A)	5,000,000	5,000,000
0.152%, (SOFR + 0.070%), 08/26/2020 (A)	18,410,000	18,410,000
0.162%, (SOFR + 0.080%), 09/11/2020 (A)	18,415,000	18,415,183
0.163%, 09/11/2020	3,670,000	3,680,501
0.163%, 10/05/2020	7,340,000	7,369,465
0.170%, 09/28/2020	5,015,000	5,029,730
0.172%, (SOFR + 0.090%), 12/04/2020 (A)	18,000,000	18,000,000
0.172%, (SOFR + 0.090%), 11/30/2020 (A)	18,170,000	18,170,000
0.175%, (3 month LIBOR - 0.140%), 12/18/2020 (A)	13,925,000	13,925,057
0.179%, (1 month LIBOR), 11/24/2020 (A)	21,955,000	21,956,170
0.186%, 03/16/2021	920,000	922,036

## Money Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AGENCY (continued)</b>		
Federal Home Loan Bank (continued)		
0.187%, (1 month LIBOR - 0.010%), 03/26/2021 (A)	\$ 2,205,000	\$ 2,204,771
0.187%, (SOFR + 0.160%), 05/07/2021 (A)	14,760,000	14,767,002
0.188%, 05/26/2021	18,485,000	18,453,748
0.188%, (SOFR + 0.100%), 10/01/2020 (A)	6,830,000	6,830,000
0.190%, 06/11/2021	1,635,000	1,666,678
0.200%, (SOFR + 0.100%), 12/23/2020 (A)	23,905,000	23,903,052
0.203%, 09/28/2020	18,685,000	18,675,761
0.203%, (3 month LIBOR + 0.120%), 07/01/2020 (A)	3,700,000	3,700,000
0.205%, 02/04/2021	3,555,000	3,582,257
0.241%, (1 month LIBOR + 0.050%), 05/20/2021 (A)	3,950,000	3,950,080
0.274%, (3 month LIBOR - 0.100%), 09/13/2021 (A)	7,735,000	7,730,120
0.275%, 12/11/2020	740,000	749,380
0.284%, 07/15/2020	1,235,000	1,234,866
0.307%, 09/11/2020	1,860,000	1,869,320
0.340%, 09/11/2020	5,750,000	5,798,067
0.372%, (3 month LIBOR - 0.100%), 08/04/2021 (A)	7,635,000	7,642,081
0.458%, 03/08/2021	7,422,000	7,398,806
0.528%, 09/01/2020	14,931,000	14,917,628
0.535%, 07/03/2020	2,235,000	2,235,136
0.913%, (3 month LIBOR - 0.170%), 01/08/2021 (A)	18,410,000	18,434,247
1.133%, 03/02/2021	1,605,000	1,606,140
1.289%, 10/01/2020	12,750,000	12,792,546
1.796%, 08/19/2020	14,940,000	14,939,180
Federal Home Loan Mortgage Corp.		
0.233%, (SOFR + 0.150%), 03/04/2022 (A)	7,426,000	7,426,000
0.511%, 02/16/2021	1,565,000	1,583,196
0.515%, 11/24/2020	4,099,000	4,127,089
0.805%, 09/29/2020	2,027,000	2,031,046
1.653%, 09/28/2020	1,473,000	1,473,012
Federal National Mortgage Association		
0.082%, (SOFR + 0.060%), 07/30/2020 (A)	3,713,000	3,713,177
0.152%, (SOFR + 0.070%), 12/11/2020 (A)	24,000,000	24,000,000
0.179%, 10/16/2020	1,470,000	1,479,318
0.240%, 10/30/2020	4,079,000	4,114,501
0.263%, (SOFR + 0.350%), 04/07/2022 (A)	4,411,000	4,424,401
0.267%, 11/30/2020	8,299,000	8,341,197
0.274%, (SOFR + 0.190%), 05/19/2022 (A)	14,746,000	14,746,000
0.284%, (SOFR + 0.200%), 06/15/2022 (A)	6,000,000	6,000,000
1.015%, 02/26/2021	1,059,000	1,061,457
1.589%, 07/30/2020	3,358,000	3,357,774
<b>TOTAL U.S. GOVERNMENT AGENCY (Cost \$1,568,330,457)</b>		<b>\$ 1,568,330,457</b>

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Money Market Trust (continued)

	Shares or Principal Amount	Value
<b>REPURCHASE AGREEMENT – 11.8%</b>		
Barclays Tri-Party Repurchase Agreement dated 6-30-20 at 0.060% to be repurchased at \$136,000,227 on 7-1-20, collateralized by \$100,568,100 U.S. Treasury Bonds, 3.000% due 2-15-47 (valued at \$138,720,297)		
	\$ 136,000,000	\$ 136,000,000
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.070% to be repurchased at \$150,000,292 on 7-1-20, collateralized by \$97,743,700 U.S. Treasury Inflation Indexed Notes, 0.125% due 7-15-26 (valued at \$111,209,518) and \$38,411,500 U.S. Treasury Notes, 1.875% due 6-30-26 (valued at \$41,790,521)		
	150,000,000	150,000,000
<b>TOTAL REPURCHASE AGREEMENT (Cost \$286,000,000)</b>		<b>\$ 286,000,000</b>
<b>Total Investments (Money Market Trust)</b> (Cost \$2,434,766,421) – 101.0%		<b>\$ 2,434,766,421</b>
<b>Other assets and liabilities, net – (1.0%)</b>		<b>(24,555,420)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 2,410,211,001</b>

### Security Abbreviations and Legend

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

## Opportunistic Fixed Income Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 14.9%</b>		
<b>U.S. Government - 0.1%</b>		
U.S. Treasury Inflation Protected Securities		
0.125%, 01/15/2030 (A)	\$ 149,513	\$ 161,651
<b>U.S. Government Agency - 14.8%</b>		
Federal National Mortgage Association		
2.500%, TBA (B)	12,687,000	13,221,242
2.500%, 05/01/2050	1,877,802	1,957,135
3.000%, TBA (B)	10,824,000	11,395,219
		26,573,596
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS</b> (Cost \$26,507,003)		<b>\$ 26,735,247</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS - 44.1%</b>		
<b>Argentina - 0.2%</b>		
Republic of Argentina		
5.000%, 01/15/2027	EUR 930,000	383,043
<b>Armenia - 0.1%</b>		
Republic of Armenia		
3.950%, 09/26/2029	\$ 200,000	192,930
<b>Australia - 1.3%</b>		
Commonwealth of Australia		
3.000%, 03/21/2047	AUD 2,675,000	2,348,172
<b>Brazil - 0.4%</b>		
Federative Republic of Brazil		
10.000%, 01/01/2025	BRL 3,425,000	737,043
<b>Canada - 2.1%</b>		
Government of Canada		
3.000%, 12/01/2036	CAD 724,829	802,656
4.000%, 12/01/2031	423,311	468,002

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Canada (continued)</b>		
Government of Canada (continued)		
4.250%, 12/01/2026	CAD 2,488,175	\$ 2,377,860
		3,648,518
<b>Chile - 0.1%</b>		
Republic of Chile		
5.000%, 03/01/2035	CLP 125,000,000	194,850
<b>Colombia - 0.6%</b>		
Republic of Colombia		
3.875%, 03/22/2026	EUR 400,000	493,386
6.000%, 04/28/2028	COP 1,659,300,000	448,293
6.125%, 01/18/2041	\$ 140,000	173,250
		1,114,929
<b>Croatia - 0.3%</b>		
Republic of Croatia		
3.000%, 03/20/2027	EUR 375,000	469,965
<b>Czech Republic - 0.2%</b>		
Government of the Czech Republic		
0.250%, 02/10/2027	CZK 9,080,000	371,795
<b>Dominican Republic - 0.1%</b>		
The Dominican Republic		
5.875%, 01/30/2060	\$ 190,000	162,640
<b>Egypt - 0.2%</b>		
Arab Republic of Egypt		
6.875%, 04/30/2040	240,000	213,600
7.903%, 02/21/2048	200,000	184,603
		398,203
<b>Germany - 6.8%</b>		
Federal Republic of Germany, Inflation Linked Bond		
0.100%, 04/15/2026	EUR 5,314,899	6,374,977
0.500%, 04/15/2030	4,460,285	5,849,532
		12,224,509
<b>Greece - 0.6%</b>		
Republic of Greece, GDP-Linked Note		
4.404%, 10/15/2042 (C)*	337,270,000	1,083,719
<b>Hungary - 0.5%</b>		
Republic of Hungary		
1.625%, 04/28/2032	560,000	630,544
2.750%, 12/22/2026	HUF 86,080,000	293,732
		924,276
<b>Iceland - 1.6%</b>		
Republic of Iceland		
5.000%, 11/15/2028	ISK 325,860,000	2,790,006
<b>Indonesia - 4.5%</b>		
Republic of Indonesia		
1.750%, 04/24/2025	EUR 100,000	113,226
2.625%, 06/14/2023	100,000	116,430
3.375%, 07/30/2025	607,000	739,299
6.500%, 06/15/2025	IDR 32,353,000,000	2,258,543
7.000%, 05/15/2027	11,500,000,000	803,231
8.250%, 05/15/2029	11,210,000,000	835,198
8.375%, 03/15/2034	43,779,000,000	3,221,289
		8,087,216
<b>Israel - 1.1%</b>		
State of Israel		
1.000%, 03/31/2030	ILS 3,170,000	949,824
3.750%, 03/31/2047	2,200,000	943,715
		1,893,539
<b>Ivory Coast - 0.1%</b>		
Republic of Ivory Coast		
5.875%, 10/17/2031	EUR 220,000	231,086

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>			
<b>Japan - 5.8%</b>			
Government of Japan			
0.400%, 03/20/2050	JPY	68,800,000	\$ 603,843
Government of Japan, CPI Linked Bond			
0.100%, 03/10/2028		1,048,913,298	9,673,608
			10,277,451
<b>Kazakhstan - 0.2%</b>			
Republic of Kazakhstan			
0.600%, 09/30/2026	EUR	275,000	290,388
<b>Macedonia - 0.2%</b>			
Republic of Macedonia			
2.750%, 01/18/2025		365,000	403,286
<b>Malaysia - 0.3%</b>			
Government of Malaysia			
3.900%, 11/30/2026	MYR	2,180,000	544,173
<b>Mexico - 2.2%</b>			
Government of Mexico			
3.250%, 04/16/2030	\$	200,000	198,202
3.375%, 02/23/2031	EUR	270,000	320,090
5.625%, 03/19/2114	GBP	100,000	125,459
7.500%, 06/03/2027	MXN	15,405,900	746,537
8.000%, 11/07/2047		52,724,600	2,570,222
			3,960,510
<b>Panama - 0.1%</b>			
Republic of Panama			
8.875%, 09/30/2027	\$	150,000	213,002
<b>Paraguay - 0.2%</b>			
Republic of Paraguay			
5.600%, 03/13/2048		255,000	297,713
<b>Peru - 0.5%</b>			
Republic of Peru			
3.750%, 03/01/2030	EUR	465,000	636,055
6.950%, 08/12/2031	PEN	810,000	278,391
			914,446
<b>Philippines - 0.3%</b>			
Republic of the Philippines			
0.875%, 05/17/2027	EUR	220,000	241,507
3.950%, 01/20/2040	\$	245,000	283,982
			525,489
<b>Poland - 0.4%</b>			
Republic of Poland			
2.250%, 10/25/2024	PLN	2,600,000	704,410
<b>Romania - 0.9%</b>			
Republic of Romania			
2.124%, 07/16/2031	EUR	335,000	356,201
2.750%, 10/29/2025		90,000	106,211
2.875%, 03/11/2029		195,000	225,850
3.875%, 10/29/2035		520,000	627,453
4.750%, 02/24/2025	RON	1,080,000	262,187
			1,577,902
<b>Russia - 3.7%</b>			
Government of Russia			
7.750%, 09/16/2026	RUB	42,890,000	679,141
Government of Russia, Inflation Linked			
Bond			
2.500%, 02/02/2028		417,643,077	5,875,494
			6,554,635
<b>Senegal - 0.1%</b>			
Republic of Senegal			
4.750%, 03/13/2028	EUR	110,000	119,217

## Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>			
<b>Serbia - 0.3%</b>			
Republic of Serbia			
1.500%, 06/26/2029	EUR	440,000	\$ 461,429
<b>South Africa - 0.3%</b>			
Republic of South Africa			
1.875%, 03/31/2029	ZAR	36	2
7.000%, 02/28/2031		12,390,000	588,430
			588,432
<b>South Korea - 6.1%</b>			
Republic of Korea			
1.375%, 12/10/2029	KRW	11,693,550,000	9,700,253
Republic of Korea, Inflation Linked			
Bond			
1.750%, 06/10/2028		1,440,972,010	1,267,207
			10,967,460
<b>Spain - 1.2%</b>			
Kingdom of Spain			
2.700%, 10/31/2048 (D)	EUR	1,445,000	2,182,211
<b>Thailand - 0.4%</b>			
Kingdom of Thailand			
2.875%, 12/17/2028	THB	20,090,000	736,910
<b>Turkey - 0.1%</b>			
Republic of Turkey			
9.000%, 07/24/2024	TRY	1,740,000	244,745
<b>Uruguay - 0.0%</b>			
Republic of Uruguay			
8.500%, 03/15/2028	UYU	670,000	14,408
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost			
\$80,468,224)			\$ 78,834,656
<b>CORPORATE BONDS - 21.6%</b>			
<b>Australia - 0.2%</b>			
FMG Resources August 2006 Pty, Ltd.			
4.750%, 05/15/2022	\$	165,000	168,180
Westfield America Management, Ltd.			
2.625%, 03/30/2029	GBP	170,000	203,822
			372,002
<b>Belgium - 0.2%</b>			
Anheuser-Busch InBev SA/NV			
2.750%, 03/17/2036	EUR	315,000	389,945
<b>Bermuda - 0.2%</b>			
Arch Capital Group, Ltd.			
3.635%, 06/30/2050	\$	265,000	277,299
<b>Brazil - 0.2%</b>			
Globo Comunicacao e Participacoes SA			
4.875%, 01/22/2030		200,000	180,500
Suzano Austria GmbH			
7.000%, 03/16/2047		200,000	219,752
			400,252
<b>Canada - 0.7%</b>			
Alimentation Couche-Tard, Inc.			
2.950%, 01/25/2030 (D)		30,000	31,098
Emera, Inc. (6.750% to 6-15-26, then 3			
month LIBOR + 5.440%)			
06/15/2076		100,000	108,151
Magna International, Inc.			
1.500%, 09/25/2027	EUR	195,000	222,762
Norbord, Inc.			
5.750%, 07/15/2027 (D)	\$	110,000	112,200
St. Marys Cement, Inc.			
5.750%, 01/28/2027		200,000	213,205
Teck Resources, Ltd.			
3.900%, 07/15/2030 (D)		145,000	144,676

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Canada (continued)</b>		
Teck Resources, Ltd. (continued) 6.250%, 07/15/2041	\$ 390,000	\$ 426,162
		1,258,254
<b>China - 0.5%</b>		
Longfor Group Holdings, Ltd. 3.950%, 09/16/2029	200,000	206,124
Sinopec Group Overseas Development 2018, Ltd. 3.350%, 05/13/2050 (D)	200,000	211,529
Tencent Holdings, Ltd. 3.240%, 06/03/2050 (D)	445,000	445,779
		863,432
<b>Colombia - 0.1%</b>		
Ecopetrol SA 5.375%, 06/26/2026	105,000	109,975
<b>Finland - 0.7%</b>		
Nokia OYJ 6.625%, 05/15/2039	1,020,000	1,202,575
<b>France - 0.4%</b>		
Airbus SE 3.150%, 04/10/2027 (D)	310,000	319,931
Total Capital International SA 3.386%, 06/29/2060	215,000	221,280
Unibail-Rodamco-Westfield SE 1.750%, 02/27/2034	EUR 100,000	107,914
		649,125
<b>Germany - 0.2%</b>		
Deutsche Telekom AG 1.750%, 12/09/2049	205,000	223,441
IKB Deutsche Industriebank AG (4.000% to 1-31-23, then 5 Year Euro Swap Rate + 3.617%) 01/31/2028	200,000	207,107
		430,548
<b>Hong Kong - 0.2%</b>		
China Cinda 2020 I Management, Ltd. 3.125%, 03/18/2030	\$ 200,000	208,700
Huarong Finance 2019 Company, Ltd. 3.375%, 02/24/2030	200,000	195,449
		404,149
<b>Ireland - 0.3%</b>		
AerCap Ireland Capital DAC 2.875%, 08/14/2024	150,000	140,751
4.875%, 01/16/2024	150,000	149,010
Aptiv PLC 4.250%, 01/15/2026	30,000	33,130
Endo DAC 6.000%, 06/30/2028 (D)	91,000	58,695
9.500%, 07/31/2027 (D)	72,000	76,154
Fly Leasing, Ltd. 5.250%, 10/15/2024	200,000	162,000
		619,740
<b>Italy - 0.1%</b>		
UniCredit SpA (5.459% to 6-30-30, then 5 Year ICE Swap Rate + 4.750%) 06/30/2035 (D)	200,000	201,582
<b>Japan - 0.1%</b>		
Takeda Pharmaceutical Company, Ltd. 3.375%, 07/09/2060 (B)	200,000	200,015
<b>Luxembourg - 0.7%</b>		
Arena Luxembourg Finance Sarl 1.875%, 02/01/2028	EUR 100,000	102,309

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Luxembourg (continued)</b>		
Codere Finance 2 Luxembourg SA 6.750%, 11/01/2021	EUR 510,000	\$ 370,500
DH Europe Finance II Sarl 1.800%, 09/18/2049	210,000	223,886
HeidelbergCement Finance Luxembourg SA 1.750%, 04/24/2028	215,000	246,162
Medtronic Global Holdings SCA 1.750%, 07/02/2049	210,000	227,159
		1,170,016
<b>Mauritius - 0.1%</b>		
MTN Mauritius Investments, Ltd. 6.500%, 10/13/2026	\$ 200,000	210,994
<b>Netherlands - 0.6%</b>		
Braskem Netherlands Finance BV 5.875%, 01/31/2050	200,000	176,000
IPD 3 BV 4.500%, 07/15/2022	EUR 100,000	104,609
Syngenta Finance NV 5.182%, 04/24/2028 (D)	\$ 260,000	277,291
Wintershall Dea Finance BV 0.452%, 09/25/2023	EUR 200,000	216,764
1.332%, 09/25/2028	200,000	209,613
		984,277
<b>Norway - 0.0%</b>		
Equinor ASA 3.000%, 04/06/2027	\$ 45,000	49,564
<b>Peru - 0.1%</b>		
Kallpa Generacion SA 4.125%, 08/16/2027	200,000	203,752
<b>Singapore - 0.1%</b>		
BOC Aviation, Ltd. 3.000%, 09/11/2029	200,000	197,450
<b>Spain - 0.3%</b>		
Abertis Infraestructuras SA 1.625%, 07/15/2029	EUR 200,000	209,136
Banco de Sabadell SA 0.875%, 07/22/2025	100,000	106,953
Bankia SA 1.125%, 11/12/2026	200,000	209,186
		525,275
<b>United Arab Emirates - 0.1%</b>		
DAE Funding LLC 5.000%, 08/01/2024 (D)	\$ 180,000	168,750
<b>United Kingdom - 0.1%</b>		
EG Global Finance PLC 6.750%, 02/07/2025 (D)	200,000	197,000
Prudential PLC 3.125%, 04/14/2030	20,000	21,481
		218,481
<b>United States - 15.4%</b>		
AbbVie, Inc. 2.300%, 11/21/2022 (D)	60,000	62,021
4.450%, 05/14/2046	27,000	32,772
Adams Homes, Inc. 7.500%, 02/15/2025 (D)	25,000	24,563
Adient Global Holdings, Ltd. 4.875%, 08/15/2026 (D)	200,000	165,000
Aircastle, Ltd. 4.250%, 06/15/2026	130,000	119,309
Altria Group, Inc. 3.125%, 06/15/2031	EUR 760,000	928,278
4.400%, 02/14/2026	\$ 45,000	51,758

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Altria Group, Inc. (continued)		
5.950%, 02/14/2049	\$ 20,000	\$ 26,222
American International Group, Inc.		
3.875%, 01/15/2035	40,000	45,834
Amgen, Inc.		
2.200%, 02/21/2027	60,000	63,268
Anheuser-Busch Companies LLC		
4.900%, 02/01/2046	35,000	42,810
Anheuser-Busch InBev Worldwide, Inc.		
4.150%, 01/23/2025	55,000	62,409
4.600%, 04/15/2048	20,000	23,348
Antero Midstream Partners LP		
5.375%, 09/15/2024	380,000	323,756
5.750%, 03/01/2027 (D)	1,040,000	821,600
Anthem, Inc.		
3.700%, 09/15/2049	13,000	14,783
4.101%, 03/01/2028	19,000	22,206
Apache Corp.		
4.375%, 10/15/2028	60,000	52,973
Apple, Inc.		
2.650%, 05/11/2050	20,000	20,619
Aramark Services, Inc.		
6.375%, 05/01/2025 (D)	170,000	175,547
Arizona Public Service Company		
3.500%, 12/01/2049	110,000	119,055
Ascension Health		
2.532%, 11/15/2029	15,000	16,084
Ashton Woods USA LLC		
6.625%, 01/15/2028 (D)	120,000	117,900
AT&T, Inc.		
1.800%, 09/14/2039	EUR 280,000	293,725
2.300%, 06/01/2027	\$ 30,000	30,974
3.500%, 06/01/2041	20,000	21,004
3.650%, 06/01/2051	10,000	10,432
5.250%, 03/01/2037	40,000	49,444
Bank of America Corp.		
2.503%, 10/21/2022	50,000	51,189
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%)		
10/01/2025	25,000	26,989
Bank of America Corp. (4.078% to 4-23-39, then 3 month LIBOR + 1.320%)		
04/23/2040	15,000	18,304
Bank of America Corp. (4.300% to 1-28-25, then 3 month LIBOR + 2.664%)		
01/28/2025 (E)	115,000	102,672
Bank of America Corp. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%)		
01/20/2048	25,000	32,376
Banner Health		
2.338%, 01/01/2030	115,000	118,271
BAT Capital Corp.		
3.222%, 08/15/2024	45,000	48,219
Bausch Health Companies, Inc.		
7.000%, 01/15/2028 (D)	100,000	103,000
Berkshire Hathaway Energy Company		
4.250%, 10/15/2050 (D)	4,000	5,010
Biogen, Inc.		
2.250%, 05/01/2030	44,000	44,403
3.150%, 05/01/2050	110,000	105,905

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
BMC East LLC		
5.500%, 10/01/2024 (D)	\$ 285,000	\$ 287,138
Bon Secours Mercy Health, Inc.		
3.464%, 06/01/2030	110,000	121,461
Booking Holdings, Inc.		
4.625%, 04/13/2030	155,000	181,275
Boston Scientific Corp.		
0.625%, 12/01/2027	EUR 170,000	188,243
4.700%, 03/01/2049	\$ 15,000	19,129
Boyd Gaming Corp.		
6.375%, 04/01/2026	55,000	52,250
8.625%, 06/01/2025 (D)	270,000	282,150
Brandywine Operating Partnership LP		
4.550%, 10/01/2029	20,000	20,983
Brighthouse Financial, Inc.		
5.625%, 05/15/2030	44,000	48,753
Brixmor Operating Partnership LP		
3.850%, 02/01/2025	230,000	237,515
3.900%, 03/15/2027	30,000	30,838
4.050%, 07/01/2030	65,000	66,393
Broadcom, Inc.		
4.110%, 09/15/2028 (D)	70,000	76,563
4.300%, 11/15/2032 (D)	170,000	187,667
Builders FirstSource, Inc.		
5.000%, 03/01/2030 (D)	40,000	37,600
Carnival Corp.		
11.500%, 04/01/2023 (D)	160,000	172,790
Centennial Resource Production LLC		
5.375%, 01/15/2026 (D)	1,180,000	625,400
Charter Communications Operating LLC		
3.700%, 04/01/2051	38,000	36,965
Cimarex Energy Company		
4.375%, 06/01/2024	30,000	31,646
CIT Group, Inc. (3.929% to 6-19-23, then SOFR + 3.827%)		
06/19/2024	100,000	97,760
Citigroup, Inc.		
5.300%, 05/06/2044	10,000	13,280
Citigroup, Inc. (3.106% to 4-8-25, then SOFR + 2.750%)		
04/08/2026	65,000	69,690
Citigroup, Inc. (3.980% to 3-20-29, then 3 month LIBOR + 1.338%)		
03/20/2030	20,000	22,925
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.230%)		
01/30/2025 (E)	115,000	101,953
Clean Harbors, Inc.		
4.875%, 07/15/2027 (D)	170,000	174,675
Cleco Corporate Holdings LLC		
3.375%, 09/15/2029 (D)	15,000	15,610
4.973%, 05/01/2046	20,000	21,104
Colt Merger Sub, Inc.		
8.125%, 07/01/2027 (D)	50,000	48,625
Comcast Corp.		
2.800%, 01/15/2051	12,000	12,264
3.750%, 04/01/2040	40,000	47,050
CommonSpirit Health		
3.817%, 10/01/2049	115,000	122,114
4.187%, 10/01/2049	25,000	25,450
Community Health Systems, Inc.		
6.250%, 03/31/2023	25,000	23,549
Conagra Brands, Inc.		
5.400%, 11/01/2048	25,000	34,506

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Continental Resources, Inc. 4.500%, 04/15/2023	\$ 120,000	\$ 114,626
Core & Main Holdings LP (8.625% Cash or 9.375% PIK) 8.625%, 09/15/2024 (D)	160,000	160,256
CRH America Finance, Inc. 3.950%, 04/04/2028 (D)	200,000	219,490
CVS Health Corp. 4.780%, 03/25/2038	18,000	22,360
	20,000	26,015
Diamondback Energy, Inc. 4.750%, 05/31/2025	30,000	32,084
Discover Financial Services (5.500% to 10-30-27, then 3 month LIBOR + 3.076%) 10/30/2027 (E)	115,000	103,426
Discovery Communications LLC 5.000%, 09/20/2037	20,000	23,665
DISH DBS Corp. 5.875%, 11/15/2024	110,000	109,348
	275,000	273,281
Dollar General Corp. 4.125%, 05/01/2028	45,000	52,621
Dominion Energy South Carolina, Inc. 5.300%, 05/15/2033	10,000	13,120
	10,000	14,379
DXC Technology Company 4.125%, 04/15/2025	225,000	239,407
Eaton Corp. 4.150%, 11/02/2042	135,000	159,525
Edison International 4.125%, 03/15/2028	90,000	95,173
Energy Transfer Operating LP 4.200%, 04/15/2027	15,000	15,694
	10,000	10,214
	20,000	21,842
	10,000	9,448
EnLink Midstream Partners LP 4.850%, 07/15/2026	1,150,000	851,345
Equifax, Inc. 2.600%, 12/15/2025	10,000	10,652
ERAC USA Finance LLC 3.850%, 11/15/2024 (D)	215,000	226,387
	150,000	151,056
Evergy Metro, Inc. 3.650%, 08/15/2025	45,000	50,711
	10,000	12,481
Evergy, Inc. 2.900%, 09/15/2029	25,000	26,783
Exelon Corp. 4.450%, 04/15/2046	5,000	6,077
Exxon Mobil Corp. 2.992%, 03/19/2025	30,000	32,635
Federal Realty Investment Trust 3.500%, 06/01/2030	230,000	242,255
FedEx Corp. 4.050%, 02/15/2048	20,000	20,546
Fidelity National Information Services, Inc. 3.750%, 05/21/2029	18,000	21,087
FirstCash, Inc. 5.375%, 06/01/2024 (D)	100,000	100,500
Flex Acquisition Company, Inc. 7.875%, 07/15/2026 (D)	100,000	97,000

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Fortive Corp. 4.300%, 06/15/2046	\$ 40,000	\$ 44,892
Freedom Mortgage Corp. 8.125%, 11/15/2024 (D)	235,000	227,950
Gartner, Inc. 4.500%, 07/01/2028 (D)	155,000	156,814
GATX Corp. 4.000%, 06/30/2030	110,000	118,199
General Motors Company 6.750%, 04/01/2046	840,000	915,528
General Motors Financial Company, Inc. 4.350%, 01/17/2027	32,000	33,105
Genworth Holdings, Inc. 6.500%, 06/15/2034	65,000	47,125
	55,000	51,499
Global Payments, Inc. 3.200%, 08/15/2029	31,000	33,201
Gray Television, Inc. 5.875%, 07/15/2026 (D)	50,000	49,813
GTCR AP Finance, Inc. 8.000%, 05/15/2027 (D)	50,000	51,469
Healthpeak Properties, Inc. 3.500%, 07/15/2029	40,000	43,554
Hess Corp. 5.800%, 04/01/2047	20,000	21,700
Hewlett Packard Enterprise Company 4.450%, 10/02/2023	40,000	43,710
HUB International, Ltd. 7.000%, 05/01/2026 (D)	40,000	40,000
Huntsman International LLC 4.500%, 05/01/2029	140,000	147,395
IBM Corp. 2.850%, 05/15/2040	100,000	103,434
Installed Building Products, Inc. 5.750%, 02/01/2028 (D)	75,000	75,000
Jagged Peak Energy LLC 5.875%, 05/01/2026	80,000	77,600
JELD-WEN, Inc. 4.875%, 12/15/2027 (D)	80,000	77,015
Johns Hopkins University 2.813%, 01/01/2060	10,000	10,516
JPMorgan Chase & Co. 5.500%, 10/15/2040	25,000	35,869
JPMorgan Chase & Co. (2.301% to 10-15-24, then SOFR + 1.160%) 10/15/2025	60,000	62,851
JPMorgan Chase & Co. (3.109% to 4-22-50, then SOFR + 2.440%) 04/22/2051	15,000	16,143
JPMorgan Chase & Co. (3.882% to 7-24-37, then 3 month LIBOR + 1.360%) 07/24/2038	25,000	29,559
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.120%) 02/01/2025 (E)	115,000	102,534
Keurig Dr Pepper, Inc. 4.985%, 05/25/2038	25,000	31,973
L Brands, Inc. 6.875%, 07/01/2025 (D)	40,000	41,300
	125,000	109,063
L3Harris Technologies, Inc. 3.850%, 06/15/2023	45,000	48,926
Ladder Capital Finance Holdings LLLP 5.250%, 10/01/2025 (D)	125,000	107,839

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Lennar Corp. 4.750%, 11/29/2027	\$ 155,000	\$ 168,175
Lincoln National Corp. 3.400%, 01/15/2031	30,000	32,554
4.375%, 06/15/2050	115,000	131,344
Lockheed Martin Corp. 4.500%, 05/15/2036	15,000	19,474
Martin Marietta Materials, Inc. 4.250%, 12/15/2047	115,000	126,316
Matador Resources Company 5.875%, 09/15/2026	610,000	451,400
Mattel, Inc. 5.875%, 12/15/2027 (D)	105,000	108,938
McKesson Corp. 4.750%, 05/30/2029	145,000	175,103
Memorial Sloan-Kettering Cancer Center 2.955%, 01/01/2050	75,000	80,909
Microsoft Corp. 3.450%, 08/08/2036	45,000	54,258
Molson Coors Beverage Company 1.250%, 07/15/2024	EUR 110,000	119,423
Moog, Inc. 4.250%, 12/15/2027 (D)	\$ 140,000	136,458
Morgan Stanley 3.950%, 04/23/2027	10,000	11,255
4.875%, 11/01/2022	10,000	10,875
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	40,000	45,685
MPH Acquisition Holdings LLC 7.125%, 06/01/2024 (D)	110,000	102,300
MPLX LP 4.250%, 12/01/2027	70,000	75,878
4.800%, 02/15/2029	30,000	33,368
MSCI, Inc. 3.875%, 02/15/2031 (D)	170,000	173,400
National Retail Properties, Inc. 2.500%, 04/15/2030	125,000	119,350
4.300%, 10/15/2028	30,000	32,661
Navient Corp. 7.250%, 09/25/2023	80,000	78,191
Newell Brands, Inc. 4.875%, 06/01/2025	155,000	162,328
NMI Holdings, Inc. 7.375%, 06/01/2025 (D)	35,000	36,623
Northeastern University 2.894%, 10/01/2050 (B)	50,000	50,647
Novartis Capital Corp. 2.000%, 02/14/2027	65,000	68,886
Novelis Corp. 4.750%, 01/30/2030 (D)	110,000	105,050
NVIDIA Corp. 3.500%, 04/01/2040	24,000	27,999
Occidental Petroleum Corp. 3.000%, 02/15/2027	70,000	54,264
4.400%, 08/15/2049	75,000	52,141
Oglethorpe Power Corp. 5.250%, 09/01/2050	30,000	34,963
Olin Corp. 5.625%, 08/01/2029	170,000	156,403
Oracle Corp. 3.600%, 04/01/2050	25,000	28,175
Otis Worldwide Corp. 3.112%, 02/15/2040 (D)	20,000	20,506

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (D)	\$ 36,000	\$ 36,943
Parsley Energy LLC 4.125%, 02/15/2028 (D)	60,000	54,300
PDC Energy, Inc. 5.750%, 05/15/2026	980,000	891,800
Penn National Gaming, Inc. 5.625%, 01/15/2027 (D)	120,000	111,946
Penske Truck Leasing Company LP 4.250%, 01/17/2023 (D)	35,000	37,230
PetSmart, Inc. 8.875%, 06/01/2025 (D)	100,000	99,996
Phillips 66 Partners LP 3.150%, 12/15/2029	50,000	51,179
Post Holdings, Inc. 4.625%, 04/15/2030 (D)	170,000	166,821
PowerTeam Services LLC 9.033%, 12/04/2025 (D)	65,000	66,300
Presidio Holdings, Inc. 8.250%, 02/01/2028 (D)	275,000	275,000
Puget Energy, Inc. 4.100%, 06/15/2030 (D)	50,000	55,189
QEP Resources, Inc. 5.375%, 10/01/2022	540,000	410,400
5.625%, 03/01/2026	50,000	31,750
Raytheon Technologies Corp. 5.700%, 04/15/2040	170,000	236,367
Regency Centers LP 3.700%, 06/15/2030	115,000	123,618
Reynolds American, Inc. 4.850%, 09/15/2023	20,000	22,278
5.850%, 08/15/2045	580,000	725,273
Royal Caribbean Cruises, Ltd. 9.125%, 06/15/2023 (D)	70,000	69,440
Rush Obligated Group 3.922%, 11/15/2029	105,000	117,756
Santander Holdings USA, Inc. 3.450%, 06/02/2025	35,000	36,480
Signature Aviation US Holdings, Inc. 4.000%, 03/01/2028 (D)	195,000	176,231
Southern California Edison Company 4.000%, 04/01/2047	25,000	28,548
Springleaf Finance Corp. 6.625%, 01/15/2028	130,000	128,700
8.875%, 06/01/2025	50,000	53,460
SPX FLOW, Inc. 5.875%, 08/15/2026 (D)	165,000	168,713
Starbucks Corp. 3.350%, 03/12/2050	4,000	4,001
Stevens Holding Company, Inc. 6.125%, 10/01/2026 (D)	175,000	182,875
Sutter Health 4.091%, 08/15/2048	105,000	123,360
Synchrony Financial 3.700%, 08/04/2026	45,000	46,577
4.375%, 03/19/2024	10,000	10,475
Sysco Corp. 6.600%, 04/01/2040	140,000	189,488
Targa Resources Partners LP 5.375%, 02/01/2027	55,000	53,075
Taylor Morrison Communities, Inc. 5.875%, 06/15/2027 (D)	155,000	160,540
The Boeing Company 4.508%, 05/01/2023	65,000	68,634
5.040%, 05/01/2027	875,000	964,801

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
The Dow Chemical Company 1.125%, 03/15/2032	EUR 130,000	\$ 133,066
3.150%, 05/15/2024	\$ 35,000	37,376
The Dun & Bradstreet Corp. 10.250%, 02/15/2027 (D)	150,000	166,500
The Sherwin-Williams Company 3.300%, 05/15/2050	15,000	15,190
The Southern Company 3.700%, 04/30/2030	15,000	17,120
The TJX Companies, Inc. 3.500%, 04/15/2025	20,000	22,252
The Toledo Hospital 5.750%, 11/15/2038	100,000	116,783
The University of Chicago 2.761%, 04/01/2045	5,000	5,196
The Walt Disney Company 3.600%, 01/13/2051	30,000	33,358
T-Mobile USA, Inc. 3.750%, 04/15/2027 (D)	30,000	33,285
4.500%, 04/15/2050 (D)	19,000	22,381
Trane Technologies Global Holding Company, Ltd. 5.750%, 06/15/2043	90,000	117,585
TransDigm, Inc. 6.250%, 03/15/2026 (D)	170,000	169,894
TRI Pointe Group, Inc. 5.700%, 06/15/2028	160,000	162,400
Tyson Foods, Inc. 5.100%, 09/28/2048	25,000	32,498
Union Pacific Corp. 3.250%, 02/05/2050	45,000	49,211
UnitedHealth Group, Inc. 3.750%, 10/15/2047	25,000	29,820
Unum Group 4.000%, 03/15/2024	34,000	35,682
4.500%, 12/15/2049	365,000	340,994
Ventas Realty LP 3.000%, 01/15/2030	125,000	123,817
VEREIT Operating Partnership LP 3.400%, 01/15/2028	10,000	10,060
Verizon Communications, Inc. 4.000%, 03/22/2050	10,000	12,589
4.016%, 12/03/2029	65,000	77,697
VF Corp. 2.050%, 04/23/2022	65,000	66,727
ViacomCBS, Inc. 4.950%, 05/19/2050	100,000	111,340
5.250%, 04/01/2044	20,000	22,321
Vine Oil & Gas LP 9.750%, 04/15/2023 (D)	40,000	24,200
Viper Energy Partners LP 5.375%, 11/01/2027 (D)	190,000	186,375
Voya Financial, Inc. 5.700%, 07/15/2043	50,000	64,935
Voya Financial, Inc. (4.700% to 1-23-28, then 3 month LIBOR + 2.084%) 01/23/2048	125,000	117,500
Vulcan Materials Company 4.500%, 06/15/2047	240,000	267,797
Wells Fargo & Company 5.375%, 11/02/2043	20,000	27,155
Wells Fargo & Company (5.013% to 4-4-50, then 3 month LIBOR + 4.240%) 04/04/2051	15,000	20,715

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Welltower, Inc. 2.750%, 01/15/2031	\$ 210,000	\$ 208,935
Western Midstream Operating LP 5.500%, 08/15/2048	100,000	81,000
Westinghouse Air Brake Technologies Corp. 3.200%, 06/15/2025	288,000	294,010
Westlake Chemical Corp. 1.625%, 07/17/2029	EUR 170,000	182,144
5.000%, 08/15/2046	\$ 120,000	127,332
WPX Energy, Inc. 5.750%, 06/01/2026	25,000	24,250
Yum! Brands, Inc. 7.750%, 04/01/2025 (D)	220,000	237,325
Zimmer Biomet Holdings, Inc. 1.164%, 11/15/2027	EUR 235,000	257,135
		27,601,205
<b>TOTAL CORPORATE BONDS (Cost \$38,859,109)</b>		<b>\$ 38,708,657</b>
<b>CONVERTIBLE BONDS - 0.5%</b>		
<b>Italy - 0.1%</b>		
Nexi SpA, 1.750%, 04/24/2027	100,000	127,937
<b>Singapore - 0.0%</b>		
Sea, Ltd., 2.375%, 12/01/2025 (D)	\$ 15,000	20,782
<b>United States - 0.4%</b>		
Bandwidth, Inc., 0.250%, 03/01/2026 (D)	25,000	37,255
Etsy, Inc., 0.125%, 10/01/2026 (D)	15,000	20,453
FTI Consulting, Inc., 2.000%, 08/15/2023	25,000	31,596
Health Catalyst, Inc., 2.500%, 04/15/2025 (D)	30,000	34,662
NuVasive, Inc., 0.375%, 03/15/2025 (D)	75,000	65,666
Oasis Petroleum, Inc., 2.625%, 09/15/2023	310,000	47,306
Penn National Gaming, Inc., 2.750%, 05/15/2026	45,000	67,405
Pioneer Natural Resources Company, 0.250%, 05/15/2025 (D)	65,000	76,686
Proofpoint, Inc., 0.250%, 08/15/2024 (D)	20,000	19,638
Southwest Airlines Company, 1.250%, 05/01/2025	60,000	72,062
Splunk, Inc., 1.125%, 06/15/2027 (D)	35,000	37,287
Square, Inc., 0.125%, 03/01/2025 (D)	70,000	79,298
Workday, Inc., 0.250%, 10/01/2022	55,000	75,597
		664,911
<b>TOTAL CONVERTIBLE BONDS (Cost \$963,318)</b>		<b>\$ 813,630</b>
<b>MUNICIPAL BONDS - 3.7%</b>		
<b>United States - 3.7%</b>		
Chicago Transit Authority, Series A (Illinois) 6.899%, 12/01/2040	45,000	61,971
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2032	100,000	125,461
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2044	240,000	289,759
City of Inglewood (California) 3.921%, 09/01/2050	40,000	41,112
City of Montebello (California) 4.056%, 06/01/2039	30,000	31,370
City of New York 5.968%, 03/01/2036	160,000	234,357

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
<b>United States (continued)</b>		
City of San Francisco Public Utilities Commission Water Revenue (California) 3.303%, 11/01/2039	\$ 70,000	\$ 74,559
City of Tampa (Florida) 3.351%, 09/01/2036 (F)	100,000	58,226
Commonwealth of Massachusetts 2.514%, 07/01/2041 (B)	625,000	627,338
County of Broward Airport System Revenue (Florida) 5.000%, 10/01/2031	95,000	119,307
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2033	70,000	84,743
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2029	100,000	125,222
District of Columbia 3.432%, 04/01/2042 (B)	575,000	579,399
District of Columbia 3.532%, 04/01/2047 (B)	120,000	120,815
Grand Parkway Transportation Corp. (Texas) 3.236%, 10/01/2052	190,000	197,978
Great Lakes Water Authority Sewage Disposal System Revenue (Michigan) 3.056%, 07/01/2039	55,000	58,671
Greater Orlando Aviation Authority (Florida) 5.000%, 10/01/2028	150,000	176,853
Massachusetts School Building Authority 3.395%, 10/15/2040	110,000	112,195
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2050	110,000	124,746
Metropolitan Transportation Authority (New York) 5.175%, 11/15/2049	290,000	338,291
Metropolitan Transportation Authority (New York) 6.668%, 11/15/2039	15,000	19,262
Municipal Electric Authority of Georgia 6.655%, 04/01/2057	10,000	14,656
New York City Transitional Finance Authority 4.000%, 05/01/2045	95,000	109,917
Orange County Convention Center (Florida) 5.000%, 10/01/2031	55,000	62,413
Pennsylvania Turnpike Commission 3.579%, 12/01/2043	95,000	99,610
Port Authority of New York & New Jersey 4.000%, 03/15/2030	230,000	267,842
Port Authority of New York & New Jersey 5.000%, 09/15/2033	140,000	170,575
Port Authority of New York & New Jersey 4.823%, 06/01/2045	140,000	157,378
Port of Seattle (Washington) 5.000%, 04/01/2039	190,000	227,122
Port of Seattle (Washington) 5.000%, 10/01/2031	100,000	114,992

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
<b>United States (continued)</b>		
Regents of the University of California Medical Center Pooled Revenue 3.290%, 05/15/2036	\$ 160,000	\$ 177,933
San Diego County Regional Transportation Commission (California) 3.248%, 04/01/2048	75,000	79,855
San Francisco City & County Airport Commission (California) 5.000%, 05/01/2050	325,000	389,032
State of Connecticut 2.677%, 07/01/2030	205,000	217,849
State of Connecticut 2.627%, 07/01/2029	315,000	334,180
State of Texas 3.211%, 04/01/2044	215,000	227,775
Texas Transportation Commission 2.562%, 04/01/2042 (B)	90,000	91,362
The Pennsylvania State University 2.840%, 09/01/2050	85,000	88,596
Triborough Bridge & Tunnel Authority (New York) 5.000%, 11/15/2054	140,000	174,023
Wisconsin Center District 4.173%, 12/15/2050	65,000	68,094
<b>TOTAL MUNICIPAL BONDS (Cost \$6,436,456)</b>	<b>\$</b>	<b>6,674,839</b>
<b>TERM LOANS (G) - 6.8%</b>		
<b>Canada - 0.1%</b>		
Cineworld, Ltd., Incremental Term Loan, TBD 02/05/2027 (H)	300,000	202,833
<b>Luxembourg - 0.1%</b>		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%), 3.500%, 02/01/2024	200,000	189,876
<b>Netherlands - 0.2%</b>		
Boels Topholding BV, 2020 EUR Term Loan B, TBD 02/05/2027 (H)	EUR 155,000	167,069
Diamond BC BV, 2020 USD Incremental Term Loan, TBD 09/06/2024 (H)	\$ 100,000	97,750
		264,819
<b>Sweden - 0.1%</b>		
Verisure Holding AB, 2018 EUR Term Loan B, TBD 10/21/2022 (H)	EUR 173,229	190,067
<b>United States - 6.3%</b>		
Acrisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%), 3.678%, 02/15/2027	\$ 249,375	235,036
Adient US LLC, Term Loan B (1 and 3 month LIBOR + 4.000%), 4.252%, 05/06/2024	149,621	143,325
AlixPartners LLP, 2017 Term Loan B (1 month LIBOR + 2.500%), 3.500%, 04/04/2024	198,972	191,924
Altra Industrial Motion Corp., 2018 Term Loan B (1 month LIBOR + 2.000%), 2.178%, 10/01/2025	97,973	93,074
Amentum Government Services Holdings LLC, Term Loan B (1 month LIBOR + 4.000%), 4.178%, 02/01/2027	100,000	97,958
APX Group, Inc., 2020 Term Loan, TBD 12/31/2025 (H)	99,750	92,424

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (G) (continued)</b>		
<b>United States (continued)</b>		
Aramark Services, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%), 1.928%, 03/11/2025	\$ 125,000	\$ 117,813
Aretec Group, Inc., 2018 Term Loan (1 month LIBOR + 4.250%), 4.428%, 10/01/2025	198,990	182,076
Asurion LLC, 2017 2nd Lien Term Loan (1 month LIBOR + 6.500%), 6.678%, 08/04/2025	250,000	248,125
Asurion LLC, 2017 Term Loan B4 (1 month LIBOR + 3.000%), 3.178%, 08/04/2022	149,047	144,824
Bass Pro Group LLC, Term Loan B (3 month LIBOR + 5.000%), 6.072%, 09/25/2024	224,423	215,365
Bausch Health Americas, Inc., 2018 Term Loan B (1 month LIBOR + 3.000%), 3.190%, 06/02/2025	116,097	112,658
Beacon Roofing Supply, Inc., Term Loan B, TBD 01/02/2025 (H)	124,681	118,380
Belron Finance US LLC, 2019 USD Term Loan B (3 month LIBOR + 2.500%), 3.260%, 10/30/2026	199,499	192,018
Berlin Packaging LLC, 2018 1st Lien Term Loan (1 and 3 month LIBOR + 3.000%), 3.181%, 11/07/2025	129,340	122,226
Berry Global, Inc., Term Loan W (1 month LIBOR + 2.000%), 2.177%, 10/01/2022	100,000	97,227
Boyd Gaming Corp., Term Loan B, TBD 09/15/2023 (H)	199,181	186,794
Brightview Landscapes LLC, 2018 1st Lien Term Loan B (1 month LIBOR + 2.500%), 2.722%, 08/15/2025	99,746	96,753
Caesars Resort Collection LLC, 2020 Term Loan, TBD 06/19/2025 (H)	170,000	159,482
Cardtronics USA, Inc., Term Loan B, TBD 06/25/2027 (H)	100,000	98,000
Change Healthcare Holdings LLC, 2017 Term Loan B (1 and 3 month LIBOR + 2.500%), 3.500%, 03/01/2024	100,000	95,847
Charter Communications Operating LLC, 2019 Term Loan B2 (1 month LIBOR + 1.750%), 1.930%, 02/01/2027	149,623	143,658
Clarios Global LP, USD Term Loan B (1 month LIBOR + 3.500%), 3.678%, 04/30/2026	199,497	189,523
Core & Main LP, 2017 Term Loan B (3 and 6 month LIBOR + 2.750%), 3.750%, 08/01/2024	249,361	236,970
Dcert Buyer, Inc., 2019 Term Loan B (1 month LIBOR + 4.000%), 4.178%, 10/16/2026	199,500	192,268
Deerfield Dakota Holding LLC, 2020 EUR Term Loan B (1 month EURIBOR + 4.000%), 4.000%, 04/09/2027	EUR 300,000	326,096
Deerfield Dakota Holding LLC, 2020 USD Term Loan B (1 month LIBOR + 3.750%), 4.750%, 04/09/2027	\$ 705,000	683,850
Diamond BC BV, USD Term Loan (3 month LIBOR + 3.000%), 3.760%, 09/06/2024	224,425	205,723
Elanco Animal Health, Inc., Term Loan B, TBD 02/04/2027 (H)	300,000	285,501

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (G) (continued)</b>		
<b>United States (continued)</b>		
Eldorado Resorts, Inc., 2017 Term Loan B (3 month LIBOR + 2.250%), 3.250%, 04/17/2024	\$ 200,000	\$ 198,376
Element Solutions, Inc., 2019 Term Loan B1 (1 month LIBOR + 2.000%), 2.178%, 01/31/2026	199,497	189,688
Gray Television, Inc., 2018 Term Loan C (1 month LIBOR + 2.500%), 2.673%, 01/02/2026	250,000	241,438
HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 3.000%), 4.020%, 04/25/2025	248,731	236,088
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%), 5.000%, 04/25/2025	199,499	195,708
ION Media Networks, Inc., 2019 Term Loan B (3 month LIBOR + 3.000%), 3.813%, 12/18/2024	248,747	234,320
Jaguar Holding Company II, 2018 Term Loan (1 month LIBOR + 2.500%), 3.500%, 08/18/2022	199,475	196,794
Momentive Performance Materials USA LLC, Term Loan B (1 month LIBOR + 3.250%), 3.430%, 05/15/2024	249,370	232,850
MPH Acquisition Holdings LLC, 2016 Term Loan B (3 month LIBOR + 2.750%), 3.750%, 06/07/2023	200,000	189,750
MTN Infrastructure TopCo, Inc., 1st Lien Term Loan B (1 month LIBOR + 3.000%), 4.000%, 11/15/2024	124,681	119,188
Nascar Holdings LLC, Term Loan B (3 month LIBOR + 2.750%), 2.930%, 10/19/2026	149,603	142,844
Navistar, Inc., 2017 1st Lien Term Loan B (1 month LIBOR + 3.500%), 3.700%, 11/06/2024	124,681	117,771
NEP Group, Inc., 2018 1st Lien Term Loan (3 month LIBOR + 3.250%), 3.428%, 10/20/2025	249,367	203,511
NFP Corp., 2020 Term Loan, TBD 02/15/2027 (H)	124,688	115,959
Nouryon USA LLC, 2018 USD Term Loan B (1 month LIBOR + 3.000%), 3.188%, 10/01/2025	124,676	116,676
Pathway Vet Alliance LLC, 2020 Term Loan, TBD 03/31/2027 (H)	115,605	113,003
Penn National Gaming, Inc., 2018 1st Lien Term Loan B (3 month LIBOR + 2.250%), 3.000%, 10/15/2025	124,684	115,921
PetSmart, Inc., Consenting Term Loan, TBD 03/11/2022 (H)	102,583	101,079
Quikrete Holdings, Inc., 2016 1st Lien Term Loan (1 month LIBOR + 2.500%), 2.678%, 02/01/2027	199,000	190,917
Refinitiv US Holdings, Inc., Term Loan B, TBD 10/01/2025 (H)	149,620	145,992
Science Applications International Corp., 2020 Incremental Term Loan B (1 month LIBOR + 2.250%), 2.428%, 03/12/2027	134,583	130,748
SCIH Salt Holdings, Inc., Term Loan B (3 month LIBOR + 4.500%), 5.500%, 03/16/2027	100,000	97,333

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (G) (continued)</b>		
<b>United States (continued)</b>		
Sedgwick Claims Management Services, Inc., 2018 Term Loan B (1 month LIBOR + 3.250%), 3.428%, 12/31/2025	\$ 198,990	\$ 187,407
SRS Distribution, Inc., 2018 1st Lien Term Loan (3 month LIBOR + 3.250%), 4.322%, 05/23/2025	110,000	103,703
SS&C Technologies, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%), 1.928%, 04/16/2025	142,069	135,720
SS&C Technologies, Inc., 2018 Term Loan B4 (1 month LIBOR + 1.750%), 1.928%, 04/16/2025	99,813	95,352
Telenet Financing USD LLC, 2020 USD Term Loan AR (1 month LIBOR + 2.000%), 2.185%, 04/30/2028	200,000	188,250
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 4.000%), 4.184%, 02/06/2026	224,438	218,265
The Ultimate Software Group, Inc., 2020 Incremental Term Loan B, TBD 05/04/2026 (H)	110,000	108,505
The Ultimate Software Group, Inc., Term Loan B, TBD 05/04/2026 (H)	150,000	145,074
T-Mobile USA, Inc., 2020 Term Loan (1 month LIBOR + 3.000%), 3.178%, 04/01/2027	100,000	99,784
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%), 2.428%, 05/30/2025	199,000	178,230
Tronox Finance LLC, Term Loan B (1 and 3 month LIBOR + 2.750%), 2.982%, 09/23/2024	200,000	191,556
UFC Holdings LLC, 2019 Term Loan (6 month LIBOR + 3.250%), 4.250%, 04/29/2026	99,741	95,086
US Foods, Inc., 2016 Term Loan B (1 month LIBOR + 1.750%), 1.928%, 06/27/2023	199,481	187,049
USI, Inc., 2017 Repriced Term Loan (3 month LIBOR + 3.000%), 3.308%, 05/16/2024	124,679	118,071
WW International, Inc., 2017 Term Loan B (1 month LIBOR + 4.750%), 5.500%, 11/29/2024	242,516	237,515
		11,220,439
<b>TOTAL TERM LOANS (Cost \$11,981,868)</b>		<b>\$ 12,068,034</b>

## COLLATERALIZED MORTGAGE OBLIGATIONS - 7.4%

### Commercial and residential - 3.5%

Arroyo Mortgage Trust Series 2018-1, Class A1, 3.763%, 04/25/2048 (D)(I)	186,803	191,782
Series 2019-1, Class A1, 3.805%, 01/25/2049 (D)(I)	186,395	189,956
Bunker Hill Loan Depository Trust, Series 2019-1, Class A1, 3.613%, 10/26/2048 (D)	188,109	192,889
BX Commercial Mortgage Trust Series 2018-IND, Class A (1 month LIBOR + 0.750%), 0.935%, 11/15/2035 (D)(J)	106,975	105,909
Series 2018-IND, Class C (1 month LIBOR + 1.100%), 1.284%, 11/15/2035 (D)(J)	137,500	135,696

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
BX Commercial		
Mortgage Trust (continued)		
Series 2018-IND, Class E (1 month LIBOR + 1.700%), 1.885%, 11/15/2035 (D)(J)	\$ 186,900	\$ 184,093
Series 2019-XL, Class A (1 month LIBOR + 0.920%), 1.105%, 10/15/2036 (D)(J)	262,735	261,178
Series 2019-XL, Class B (1 month LIBOR + 1.080%), 1.265%, 10/15/2036 (D)(J)	262,735	258,131
Series 2019-XL, Class C (1 month LIBOR + 1.250%), 1.435%, 10/15/2036 (D)(J)	262,735	256,816
CAMB Commercial Mortgage Trust, Series 2019-LIFE, Class A (1 month LIBOR + 1.070%), 1.255%, 12/15/2037 (D)(J)	337,500	333,062
CFCRE Commercial Mortgage Trust, Series 2011-C2, Class C, 5.930%, 12/15/2047 (D)(I)	275,000	281,149
COLT Mortgage Loan Trust Series 2019-1, Class A1, 3.705%, 03/25/2049 (D)(I)	238,212	240,626
Series 2019-2, Class A1, 3.337%, 05/25/2049 (D)(I)	171,947	173,992
Series 2019-4, Class A1, 2.579%, 11/25/2049 (D)(I)	144,360	145,782
Series 2020-2, Class A1, 1.853%, 03/25/2065 (D)(I)	98,878	98,979
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG), Series 2013-CR13, Class A4, 4.194%, 11/10/2046 (I)	125,000	136,114
CSAIL Commercial Mortgage Trust, Series 2015-C3, Class A4, 3.718%, 08/15/2048	167,000	182,767
Deephaven Residential Mortgage Trust, Series 2020-2, Class A1, 1.692%, 05/25/2065 (D)	185,000	185,049
FREMF Mortgage Trust Series 2013-K33, Class B, 3.613%, 08/25/2046 (D)(I)	215,000	225,445
Series 2015-K45, Class C, 3.713%, 04/25/2048 (D)(I)	115,000	117,737
Series 2015-K49, Class B, 3.848%, 10/25/2048 (D)(I)	250,000	262,502
GS Mortgage Securities Trust Series 2016-GS4, Class A4, 3.442%, 11/10/2049 (I)	146,000	161,007
Series 2020-GC45, Class A1, 2.019%, 02/13/2053	77,890	79,646
JP Morgan Mortgage Trust, Series 2018-3, Class A1, 3.500%, 09/25/2048 (D)(I)	123,011	125,869
KKR Industrial Portfolio Trust, Series 2020-AIP, Class A (1 month LIBOR + 1.037%), 1.222%, 03/15/2037 (D)(J)	250,000	246,976
Metlife Securitization Trust, Series 2018-1A, Class A, 3.750%, 03/25/2057 (D)(I)	186,321	198,520

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Morgan Stanley Bank of America Merrill Lynch Trust, Series 2013-C8, Class B, 3.694%, 12/15/2048 (I)	\$ 197,000	\$ 197,955
Morgan Stanley Capital I Trust, Series 2018-SUN, Class B (1 month LIBOR + 1.200%), 1.385%, 07/15/2035 (D)(J)	100,000	94,862
New Residential Mortgage Loan Trust, Series 2018-RPL1, Class A1, 3.500%, 12/25/2057 (D)(I)	161,105	171,874
Verus Securitization Trust Series 2019-1, Class A1, 3.836%, 02/25/2059 (D)(I)	149,634	152,542
Series 2019-3, Class A1, 2.784%, 07/25/2059 (D)	92,555	94,387
Series 2020-1, Class A1, 2.417%, 01/25/2060 (D)(I)	150,059	152,132
Wells Fargo Mortgage Backed Securities Trust, Series 2019-3, Class A1, 3.500%, 07/25/2049 (D)(I)	159,224	163,617
WF-RBS Commercial Mortgage Trust Series 2011-C4, Class C, 5.390%, 06/15/2044 (D)(I)	255,000	242,605
Series 2011-C5, Class C, 5.845%, 11/15/2044 (D)(I)	150,000	145,360
		6,387,006
<b>U.S. Government Agency - 3.9%</b>		
Federal Home Loan Mortgage Corp.		
Series 2016-DNA2, Class M3 (1 month LIBOR + 4.650%), 4.835%, 10/25/2028 (J)	189,297	197,042
Series 2016-DNA4, Class M3 (1 month LIBOR + 3.800%), 3.985%, 03/25/2029 (J)	250,000	252,505
Series 2016-HQA4, Class M2 (1 month LIBOR + 1.300%), 1.485%, 04/25/2029 (J)	82,843	82,730
Series 2016-HQA4, Class M3 (1 month LIBOR + 3.900%), 4.085%, 04/25/2029 (J)	525,000	540,393
Series 2017-DNA2, Class M1 (1 month LIBOR + 1.200%), 1.385%, 10/25/2029 (J)	214,985	215,173
Series 2017-HQA2, Class M2 (1 month LIBOR + 2.650%), 2.835%, 12/25/2029 (J)	306,804	303,776
Series 2018-DNA1, Class M2 (1 month LIBOR + 1.800%), 1.985%, 07/25/2030 (J)	263,599	257,789
Series 2018-HQA1, Class M2 (1 month LIBOR + 2.300%), 2.485%, 09/25/2030 (J)	64,120	63,186
Series 2020-DNA2, Class M2 (1 month LIBOR + 1.850%), 2.035%, 02/25/2050 (D)(J)	100,000	94,810
Series 2020-HQA2, Class M2 (1 month LIBOR + 3.100%), 3.285%, 03/25/2050 (D)(J)	365,000	349,463
Series 324, Class C18 IO, 4.000%, 12/15/2033	478,667	59,477
Series 4446, Class BI IO, 6.500%, 04/15/2039	310,347	71,641

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 4978, Class MI IO, 4.000%, 05/25/2040	\$ 421,658	\$ 49,506
Series K066, Class X1 IO, 0.889%, 06/25/2027	1,254,921	55,720
Series K105, Class X1 IO, 1.645%, 01/25/2030	394,938	48,059
Series K110, Class X1 IO, 1.698%, 04/25/2030	100,000	13,466
Series K737, Class X1 IO, 0.752%, 10/25/2026	496,656	17,033
Series K738, Class X1 IO, 1.630%, 01/25/2027	650,999	52,879
Federal National Mortgage Association		
Series 2014-68, Class ID IO, 3.500%, 03/25/2034	796,189	59,899
Series 2015-C04, Class 1M2 (1 month LIBOR + 5.700%), 5.885%, 04/25/2028 (J)	330,083	346,895
Series 2016-C02, Class 1M2 (1 month LIBOR + 6.000%), 6.185%, 09/25/2028 (J)	224,140	232,426
Series 2017-C02, Class 2M2 (1 month LIBOR + 3.650%), 3.835%, 09/25/2029 (J)	272,512	272,511
Series 2017-C03, Class 1M2 (1 month LIBOR + 3.000%), 3.185%, 10/25/2029 (J)	270,000	271,544
Series 2017-C04, Class 2M2 (1 month LIBOR + 2.850%), 3.035%, 11/25/2029 (J)	287,028	281,993
Series 2017-C05, Class 1B1 (1 month LIBOR + 3.600%), 3.785%, 01/25/2030 (J)	125,000	119,055
Series 2017-C05, Class 1M2 (1 month LIBOR + 2.200%), 2.385%, 01/25/2030 (J)	219,871	215,290
Series 2017-C06, Class 2B1 (1 month LIBOR + 4.450%), 4.635%, 02/25/2030 (J)	85,000	81,618
Series 2017-C06, Class 2M2 (1 month LIBOR + 2.800%), 2.985%, 02/25/2030 (J)	257,239	252,726
Series 2017-C07, Class 1B1 (1 month LIBOR + 4.000%), 4.185%, 05/25/2030 (J)	293,000	291,725
Series 2018-C05, Class 1B1 (1 month LIBOR + 4.250%), 4.435%, 01/25/2031 (J)	230,000	226,560
Series 2018-C05, Class 1M2 (1 month LIBOR + 2.350%), 2.535%, 01/25/2031 (J)	123,718	120,962
Series 2018-R07, Class 1B1 (1 month LIBOR + 4.350%), 4.535%, 04/25/2031 (D)(J)	220,000	215,372
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 2.335%, 11/25/2039 (D)(J)	220,082	201,595
Series 2019-R02, Class 1M2 (1 month LIBOR + 2.300%), 2.485%, 08/25/2031 (D)(J)	103,113	101,562

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2019-R05, Class 1B1 (1 month LIBOR + 4.100%), 4.285%, 07/25/2039 (D)(J)	\$ 120,000	\$ 107,092
Series 2019-R07, Class 1M1 (1 month LIBOR + 0.770%), 0.955%, 10/25/2039 (D)(J)	85,103	85,078
Series 2020-26, Class AI IO, 3.000%, 04/25/2033	913,195	62,815
Series 2020-26, Class IA IO, 3.500%, 11/25/2039	620,012	65,878
Series 2020-R02, Class 2B1 (1 month LIBOR + 3.000%), 3.185%, 01/25/2040 (D)(J)	152,000	105,611
Series 407, Class 40 IO, 6.000%, 01/25/2038	340,149	77,935
Series 410, Class C8 IO, 4.000%, 04/25/2032	590,733	65,575
Government National		
Mortgage Association		
Series 2014-2, Class IB IO, 4.000%, 01/16/2040	597,531	55,068
Series 2015-62, Class CI IO, 4.500%, 05/20/2045	304,772	52,505
Series 2017-130, Class IO, 4.500%, 02/20/2040	334,162	55,060
Series 2018-168, Class AI IO, 5.000%, 12/16/2048	438,558	73,969
Series 2018-72, Class ID IO, 4.500%, 08/20/2045	236,749	39,584
Series 2020-74, Class IC IO, 3.000%, 05/20/2035	881,974	63,914
		6,926,465
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$12,509,197)		<b>\$ 13,313,471</b>
<b>ASSET BACKED SECURITIES - 5.3%</b>		
Ally Auto Receivables Trust		
Series 2018-2, Class A3, 2.920%, 11/15/2022	419,821	425,172
Series 2019-4, Class A3, 1.840%, 06/17/2024	260,000	265,067
American Credit Acceptance Receivables Trust, Series 2018-3, Class C, 3.750%, 10/15/2024 (D)		
	183,755	185,003
American Express Credit Account Master Trust, Series 2017-5, Class B (1 month LIBOR + 0.580%), 0.765%, 02/18/2025 (J)		
	271,000	271,056
AmeriCredit Automobile Receivables Trust, Series 2016-1, Class D, 3.590%, 02/08/2022		
	243,367	244,020
Ares XXVII CLO, Ltd., Series 2013-2A, Class CR (3 month LIBOR + 2.400%), 3.287%, 07/28/2029 (D)(J)		
	250,000	243,486
Barings CLO, Ltd., Series 2018-3A, Class A1 (3 month LIBOR + 0.950%), 2.085%, 07/20/2029 (D)(J)		
	250,000	246,318
Bluemountain CLO, Ltd., Series 2012-2A, Class AR2 (3 month LIBOR + 1.050%), 1.427%, 11/20/2028 (D)(J)		
	250,000	246,078

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
BMW Vehicle Lease Trust, Series 2018-1, Class A3, 3.260%, 07/20/2021		
	\$ 176,246	\$ 177,586
Canadian Pacer Auto Receivables Trust		
Series 2018-1A, Class A3, 3.000%, 11/19/2021 (D)	49,212	49,528
Series 2018-2A, Class A2A, 3.000%, 06/21/2021 (D)	17,543	17,562
Carlyle U.S. CLO, Ltd., Series 2017-2A, Class A1B (3 month LIBOR + 1.220%), 2.355%, 07/20/2031 (D)(J)		
	250,000	243,724
CCG Receivables Trust, Series 2018-1, Class A2, 2.500%, 06/16/2025 (D)		
	194,397	195,392
CIFC Funding, Ltd.		
Series 2014-2RA, Class A1 (3 month LIBOR + 1.050%), 2.070%, 04/24/2030 (D)(J)	300,000	293,848
Series 2015-3A, Class AR (3 month LIBOR + 0.870%), 2.005%, 04/19/2029 (D)(J)	250,000	244,671
First Investors Auto Owner Trust, Series 2020-1A, Class A, 1.490%, 01/15/2025 (D)		
	307,672	310,964
Ford Credit Auto Lease Trust, Series 2018-A, Class A3, 2.930%, 06/15/2021		
	127,426	127,596
Ford Credit Auto Owner Trust		
Series 2016-1, Class A, 2.310%, 08/15/2027 (D)	205,000	206,910
Series 2017-A, Class A4, 1.920%, 04/15/2022	145,102	145,725
Series 2017-C, Class A3, 2.010%, 03/15/2022	75,681	76,048
Ford Credit Floorplan Master Owner Trust, Series 2015-5, Class A1, 2.420%, 08/15/2022		
	250,000	250,459
Gilbert Park CLO, Ltd., Series 2017-1A, Class B (3 month LIBOR + 1.600%), 2.819%, 10/15/2030 (D)(J)		
	280,000	271,352
GM Financial Consumer Automobile Receivables Trust		
Series 2018-2, Class A3, 2.810%, 12/16/2022	218,263	222,363
Series 2020-2, Class A4, 1.740%, 08/18/2025	55,000	56,833
Honda Auto Receivables Owner Trust, Series 2019-2, Class A3, 2.520%, 06/21/2023		
	258,000	265,745
KKR CLO, Ltd., Series 2020, Class B (3 month LIBOR + 1.550%), 2.726%, 10/16/2030 (D)(J)		
	282,000	266,606
LCM XXV, Ltd., Series 25A, Class A (3 month LIBOR + 1.210%), 2.345%, 07/20/2030 (D)(J)		
	274,000	267,969
Magnetite XVIII, Ltd., Series 2016-18A, Class BR (3 month LIBOR + 1.500%), 1.892%, 11/15/2028 (D)(J)		
	250,000	243,577
Mercedes-Benz Auto Lease Trust, Series 2019-A, Class A3, 3.100%, 11/15/2021		
	125,000	126,211
Mill City Mortgage Loan Trust, Series 2018-3, Class A1, 3.500%, 08/25/2058 (D)(I)		
	161,364	170,428

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Nissan Auto Receivables Owner Trust, Series 2020-A, Class A3, 1.380%, 12/16/2024	\$ 75,000	\$ 76,473
Octagon Investment Partners 41, Ltd., Series 2019-2A, Class D (3 month LIBOR + 3.650%), 4.869%, 04/15/2031 (D)(J)	250,000	239,227
Palmer Square Loan Funding, Ltd., Series 2020-1A, Class A1 (3 month LIBOR + 0.800%), 1.177%, 02/20/2028 (D)(J)	251,946	248,592
Santander Drive Auto Receivables Trust Series 2018-5, Class C, 3.810%, 12/16/2024	210,000	213,575
Series 2020-1, Class A3, 2.030%, 02/15/2024	35,000	35,646
Taco Bell Funding LLC, Series 2018-1A, Class A2I, 4.318%, 11/25/2048 (D)	270,875	276,639
Towd Point Mortgage Trust Series 2017-6, Class A1, 2.750%, 10/25/2057 (D)(I)	166,675	172,663
Series 2018-2, Class A1, 3.250%, 03/25/2058 (D)(I)	495,236	520,265
Toyota Auto Receivables Owner Trust Series 2016-D, Class A4, 1.420%, 01/15/2022	69,736	69,829
Series 2019-C, Class A2A, 2.000%, 04/15/2022	102,669	103,325
Treman Park CLO, Ltd., Series 2015-1A, Class C3RR (3 month LIBOR + 2.000%), 3.135%, 10/20/2028 (D)(J)	250,000	241,042
Vericrest Opportunity Loan Trust Series 2020-NPL6, Class A1A, 3.967%, 04/25/2050 (D)	200,000	200,000
Series 2020-NPL2, Class A1A, 2.981%, 02/25/2050 (D)	90,502	89,432
VOLT LXXXV LLC, Series 2020-NPL1, Class A1A, 3.228%, 01/25/2050 (D)	91,743	91,174
Westlake Automobile Receivables Trust, Series 2020-1A, Class A2, 1.440%, 09/15/2023 (D)	350,000	352,030
World Omni Auto Receivables Trust, Series 2019-A, Class A3, 3.040%, 05/15/2024	165,000	169,966
<b>TOTAL ASSET BACKED SECURITIES (Cost \$9,329,613)</b>		<b>\$ 9,457,175</b>
<b>PREFERRED SECURITIES - 0.0%</b>		
<b>United States - 0.0%</b>		
Becton, Dickinson and Company, 6.000%	683	36,336
<b>TOTAL PREFERRED SECURITIES (Cost \$35,158)</b>		<b>\$ 36,336</b>
<b>EXCHANGE-TRADED FUNDS - 6.4%</b>		
iShares iBoxx High Yield Corporate Bond ETF	15,500	1,265,110
iShares JP Morgan USD Emerging Markets Bond ETF	67,900	7,416,038
SPDR Blackstone/GSO Senior Loan ETF	54,477	2,363,212
SPDR Bloomberg Barclays Convertible Securities ETF	7,600	459,800
<b>TOTAL EXCHANGE-TRADED FUNDS (Cost \$12,110,055)</b>		<b>\$ 11,504,160</b>

## Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS - 1.4%</b>		
<b>Short-term funds - 1.4%</b>		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (K)	2,562,087	\$ 2,562,087
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$2,562,087)</b>		<b>\$ 2,562,087</b>
<b>Total Investments (Opportunistic Fixed Income Trust) (Cost \$201,762,088) - 112.1%</b>		
<b>Other assets and liabilities, net - (12.1%)</b>		
<b>TOTAL NET ASSETS - 100.0%</b>		
<b>SALE COMMITMENTS OUTSTANDING - (0.9%)</b>		
<b>U.S. Government Agency - (0.9%)</b>		
Federal National Mortgage Association 2.500%, TBA (B)	\$ (1,550,000)	\$ (1,612,182)
<b>TOTAL SALE COMMITMENTS OUTSTANDING (Cost \$(1,612,727))</b>		<b>\$ (1,612,182)</b>

### Currency Abbreviations

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

### Security Abbreviations and Legend

CPI	Consumer Price Index
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
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
(B)	Security purchased or sold on a when-issued or delayed delivery basis.
(C)	Non-income producing security.

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

- (D) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$26,465,991 or 14.8% of the fund's net assets as of 6-30-20.
- (E) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
- (F) Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
- (G) Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
- (H) This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).

## Opportunistic Fixed Income Trust (continued)

- (I) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
- (J) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (K) The rate shown is the annualized seven-day yield as of 6-30-20.
- \* Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
10-Year Australian Treasury Bond Futures	17	Long	Sep 2020	\$1,727,138	\$1,740,596	\$13,458
10-Year Canada Government Bond Futures	8	Long	Sep 2020	904,903	906,423	1,520
10-Year U.S. Treasury Note Futures	15	Long	Sep 2020	2,088,246	2,087,578	(668)
5-Year U.S. Treasury Note Futures	35	Long	Sep 2020	4,393,783	4,400,977	7,194
Ultra U.S. Treasury Bond Futures	24	Long	Sep 2020	5,216,856	5,235,750	18,894
10-Year Mini Japan Government Bond Futures	8	Short	Sep 2020	(1,125,918)	(1,125,298)	620
2-Year U.S. Treasury Note Futures	29	Short	Sep 2020	(6,401,956)	(6,404,016)	(2,060)
Euro-Buxl Futures	6	Short	Sep 2020	(1,439,017)	(1,482,750)	(43,733)
German Euro BOBL Futures	15	Short	Sep 2020	(2,260,343)	(2,274,750)	(14,407)
German Euro BUND Futures	67	Short	Sep 2020	(13,081,317)	(13,287,562)	(206,245)
U.K. Long Gilt Bond Futures	13	Short	Sep 2020	(2,211,898)	(2,217,147)	(5,249)
U.S. Treasury Long Bond Futures	65	Short	Sep 2020	(11,522,807)	(11,606,562)	(83,755)
						<b>\$(314,431)</b>

<sup>^</sup> Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

### FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
AUD 10,202,000	USD 7,008,397	JPM	7/31/2020	\$33,174	—
BRL 7,895,000	USD 1,477,634	JPM	7/2/2020	—	\$(25,840)
BRL 16,258,000	USD 3,091,911	MSI	7/2/2020	—	(102,264)
BRL 8,363,000	USD 1,537,401	MSI	7/31/2020	—	(1,776)
BRL 3,645,000	USD 671,024	JPM	8/4/2020	—	(1,856)
BRL 7,895,000	USD 1,441,404	MSI	8/4/2020	8,000	—
CAD 5,341,000	USD 3,926,628	JPM	7/31/2020	7,828	—
CLP 1,236,500,000	USD 1,505,064	GSI	7/31/2020	1,133	—
CZK 52,012,000	USD 2,207,446	BARC	7/31/2020	—	(14,618)
EUR 1,258,000	USD 1,414,960	BARC	7/31/2020	—	(710)
EUR 4,767,000	USD 5,396,144	JPM	7/31/2020	—	(37,058)
EUR 159,000	USD 178,819	MSI	7/31/2020	—	(70)
GBP 2,781,000	USD 3,475,583	CITI	7/31/2020	—	(28,991)
HUF 329,074,000	USD 1,065,013	JPM	7/31/2020	—	(21,248)
IDR 25,284,000,000	USD 1,747,098	GSI	7/30/2020	—	(14,324)
JPY 561,226,000	USD 5,271,252	GSI	7/31/2020	—	(71,649)
JPY 561,227,000	USD 5,239,456	MSI	7/31/2020	—	(39,844)
KRW 17,215,749,000	USD 14,312,489	JPM	7/31/2020	42,158	—
MXN 48,978,000	USD 2,144,330	CITI	7/31/2020	—	(21,678)
NOK 20,559,000	USD 2,151,711	JPM	7/31/2020	—	(15,534)
NZD 1,864,000	USD 1,195,648	CITI	7/31/2020	7,280	—
PHP 31,067,000	USD 618,249	JPM	7/30/2020	5,440	—
RUB 26,640,000	USD 385,690	GSI	7/31/2020	—	(12,798)
SEK 38,884,000	USD 4,190,041	JPM	7/31/2020	—	(15,657)

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (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
SGD	8,401,000	USD	6,037,109		CITI	7/30/2020		—		\$(8,496)
TRY	8,640,000	USD	1,248,645		GSI	7/29/2020		\$3,954		—
USD	1,714,136	AUD	2,496,000		CITI	7/31/2020		—		(8,640)
USD	6,508,272	AUD	9,475,000		JPM	7/31/2020		—		(31,513)
USD	1,441,746	BRL	7,895,000		JPM	7/2/2020		—		(10,048)
USD	2,982,020	BRL	16,258,000		MSI	7/2/2020		—		(7,627)
USD	882,427	BRL	4,570,000		MSI	7/31/2020		43,278		—
USD	1,810,028	CAD	2,462,000		JPM	7/31/2020		—		(3,608)
USD	2,240,995	CHF	2,118,000		JPM	7/31/2020		3,620		—
USD	5,497,088	CLP	4,495,079,000		MSI	7/31/2020		21,576		—
USD	2,222,532	COP	8,272,929,000		CITI	7/31/2020		26,441		—
USD	1,008,336	EUR	897,000		GSI	7/31/2020		—		(76)
USD	32,280,975	EUR	28,516,000		JPM	7/31/2020		223,142		—
USD	4,327,919	GBP	3,463,000		CITI	7/31/2020		36,101		—
USD	2,829,530	HUF	894,669,000		BARC	7/31/2020		—		(8,205)
USD	8,350,650	IDR	119,355,837,000		GSI	7/30/2020		170,905		—
USD	5,465,899	ILS	18,748,000		BARC	7/31/2020		49,772		—
USD	400,882	INR	30,453,000		JPM	7/31/2020		—		(1,079)
USD	5,085,104	JPY	541,407,000		GSI	7/31/2020		69,119		—
USD	5,667,561	JPY	607,040,000		MSI	7/31/2020		43,500		—
USD	21,830,651	KRW	26,306,366,000		JPM	7/31/2020		—		(103,834)
USD	2,732,534	MXN	62,413,000		CITI	7/31/2020		27,625		—
USD	434,340	NOK	4,150,000		JPM	7/31/2020		3,136		—
USD	2,259,912	PLN	8,880,000		BOA	7/31/2020		15,185		—
USD	8,106,123	RUB	559,898,000		GSI	7/31/2020		268,983		—
USD	1,980,009	SEK	18,465,000		JPM	7/31/2020		—		(2,298)
USD	3,389,576	TRY	23,464,000		BARC	7/29/2020		—		(12,158)
								<b>\$1,111,350</b>		<b>\$(623,497)</b>

## SWAPS

### Interest rate swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
				USA CPI All Urban						
BOA	20,730,000	USD	Fixed 0.873%	Consumers	At Maturity	At Maturity	Apr 2025	—	\$236,138	\$236,138
BOA	26,670,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.340%	Quarterly	Quarterly	Sep 2025	\$(4,888)	(2)	(4,890)
				USA CPI All Urban						
BOA	1,430,000	USD	Fixed 1.635%	Consumers	At Maturity	At Maturity	Feb 2050	—	27,561	27,561
CITI	29,430,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.390%	Quarterly	Quarterly	Jun 2025	—	8,095	8,095
CITI	3,921,240,000	COP	Fixed 4.330%	COP IBR Compounded OIS	Quarterly	Quarterly	Sep 2030	—	15,017	15,017
GSI	733,960,000	CLP	Fixed 2.160%	CLP CLICP Bloomberg	Semi-Annual	Semi-Annual	Sep 2030	1,382	(5,363)	(3,981)
								<b>\$(3,506)</b>	<b>\$281,446</b>	<b>\$277,940</b>
Centrally cleared	21,530,000	CZK	Fixed 0.630%	CZK PRIBOR PRBO	Annual	Semi-Annual	Sep 2030	(889)	6,490	5,601
Centrally cleared	7,270,000	PLN	Fixed 0.880%	PLN WIBOR WIBO	Annual	Semi-Annual	Sep 2030	1,343	(809)	534
								<b>\$454</b>	<b>\$5,681</b>	<b>\$6,135</b>
								<b>\$(3,052)</b>	<b>\$287,127</b>	<b>\$284,075</b>

### Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
BARC	Government of Malaysia	340,000	USD	\$340,000	1.000%	Quarterly	Jun 2025	\$2,406	\$(6,884)	\$(4,478)
BARC	Government of Malaysia	350,000	USD	350,000	1.000%	Quarterly	Jun 2025	4,117	(8,727)	(4,610)
BARC	Government of Malaysia	345,000	USD	345,000	1.000%	Quarterly	Jun 2025	2,445	(6,989)	(4,544)
BARC	Government of Malaysia	350,000	USD	350,000	1.000%	Quarterly	Jun 2025	1,004	(5,594)	(4,590)
BARC	People's Republic of China	330,000	USD	330,000	1.000%	Quarterly	Jun 2025	(7,389)	(640)	(8,029)
BARC	People's Republic of China	330,000	USD	330,000	1.000%	Quarterly	Jun 2025	(8,624)	614	(8,010)

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

### Credit default swaps - Buyer (continued)

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
BARC	Republic of Chile	345,000	USD	\$345,000	1.000%	Quarterly	Jun 2025	\$1,991	\$(4,580)	\$(2,589)
BARC	Republic of Indonesia	1,445,000	USD	1,445,000	1.000%	Quarterly	Jun 2025	58,302	(35,144)	23,158
BARC	Russian Federation	715,000	USD	715,000	1.000%	Quarterly	Jun 2025	31,581	(28,248)	3,333
BARC	Russian Federation	720,000	USD	720,000	1.000%	Quarterly	Jun 2025	28,581	(25,225)	3,356
BARC	Russian Federation	710,000	USD	710,000	1.000%	Quarterly	Jun 2025	26,574	(23,265)	3,309
BARC	Russian Federation	710,000	USD	710,000	1.000%	Quarterly	Jun 2025	22,456	(19,107)	3,349
BARC	Russian Federation	20,000	USD	20,000	1.000%	Quarterly	Jun 2025	621	(536)	85
CITI	Government of Malaysia	1,370,000	USD	1,370,000	1.000%	Quarterly	Jun 2025	12,289	(30,332)	(18,043)
CITI	Government of Malaysia	345,000	USD	345,000	1.000%	Quarterly	Jun 2025	4,544	(9,088)	(4,544)
CITI	Government of Malaysia	340,000	USD	340,000	1.000%	Quarterly	Jun 2025	(1,146)	(3,332)	(4,478)
CITI	People's Republic of China	335,000	USD	335,000	1.000%	Quarterly	Jun 2025	(8,341)	209	(8,132)
CITI	Republic of Chile	350,000	USD	350,000	1.000%	Quarterly	Jun 2025	(2,212)	(414)	(2,626)
CITI	Republic of Chile	325,000	USD	325,000	1.000%	Quarterly	Jun 2025	(2,217)	(221)	(2,438)
CITI	Republic of Chile	645,000	USD	645,000	1.000%	Quarterly	Jun 2025	(2,824)	(1,944)	(4,768)
CITI	Republic of Chile	325,000	USD	325,000	1.000%	Quarterly	Jun 2025	(2,365)	(81)	(2,446)
CITI	Republic of South Africa	715,000	USD	715,000	1.000%	Quarterly	Jun 2025	67,363	(238)	67,125
CITI	People's Republic of China	3,880,000	USD	3,880,000	1.000%	Quarterly	Dec 2024	(98,194)	3,072	(95,122)
GSI	Government of Malaysia	340,000	USD	340,000	1.000%	Quarterly	Jun 2025	2,408	(6,886)	(4,478)
GSI	Russian Federation	2,760,000	USD	2,760,000	1.000%	Quarterly	Jun 2025	88,120	(75,255)	12,865
GSI	Russian Federation	710,000	USD	710,000	1.000%	Quarterly	Jun 2025	15,218	(11,869)	3,349
GSI	CMBX.NA.AAA.11	215,000	USD	215,000	0.500%	Monthly	Nov 2054	1,520	(2,165)	(645)
GSI	CMBX.NA.AAA.10	1,370,000	USD	1,370,000	0.500%	Monthly	Nov 2059	19	(9,487)	(9,468)
GSI	CMBX.NA.AAA.10	1,385,000	USD	1,385,000	0.500%	Monthly	Nov 2059	4,345	(13,917)	(9,572)
GSI	CMBX.NA.AAA.12	60,000	USD	60,000	0.500%	Monthly	Aug 2061	814	(591)	223
GSI	CMBX.NA.AAA.12	1,405,000	USD	1,405,000	0.500%	Monthly	Aug 2061	25,690	(20,459)	5,231
GSI	CMBX.NA.AAA.12	1,425,000	USD	1,425,000	0.500%	Monthly	Aug 2061	26,037	(20,732)	5,305
GSI	CMBX.NA.AAA.13	1,440,000	USD	1,440,000	0.500%	Monthly	Dec 2072	42,331	(23,571)	18,760
GSI	CMBX.NA.AAA.13	1,430,000	USD	1,430,000	0.500%	Monthly	Dec 2072	41,876	(23,246)	18,630
JPM	Republic of Korea	9,630,000	USD	9,630,000	1.000%	Quarterly	Dec 2024	(295,501)	(29,203)	(324,704)
JPM	Government of Malaysia	340,000	USD	340,000	1.000%	Quarterly	Jun 2025	1,134	(5,593)	(4,459)
JPM	Republic of South Africa	690,000	USD	690,000	1.000%	Quarterly	Jun 2025	49,465	15,236	64,701
JPM	Russian Federation	1,650,000	USD	1,650,000	1.000%	Quarterly	Jun 2025	55,705	(48,014)	7,691
MSI	Government of Japan	9,570,000	USD	9,570,000	1.000%	Quarterly	Dec 2024	(312,781)	(49,238)	(362,019)
MSI	Government of Malaysia	340,000	USD	340,000	1.000%	Quarterly	Jun 2025	2,098	(6,557)	(4,459)
MSI	Government of Malaysia	345,000	USD	345,000	1.000%	Quarterly	Jun 2025	3,594	(8,119)	(4,525)
MSI	Government of Malaysia	350,000	USD	350,000	1.000%	Quarterly	Jun 2025	(84)	(4,506)	(4,590)
MSI	Government of Malaysia	345,000	USD	345,000	1.000%	Quarterly	Jun 2025	(1,664)	(2,861)	(4,525)
MSI	People's Republic of China	1,345,000	USD	1,345,000	1.000%	Quarterly	Jun 2025	(30,830)	(1,818)	(32,648)
MSI	People's Republic of China	310,000	USD	310,000	1.000%	Quarterly	Jun 2025	(8,151)	626	(7,525)
MSI	Republic of Chile	245,000	USD	245,000	1.000%	Quarterly	Jun 2025	2,928	(4,766)	(1,838)
MSI	Republic of Chile	345,000	USD	345,000	1.000%	Quarterly	Jun 2025	833	(3,422)	(2,589)
MSI	Republic of Indonesia	515,000	USD	515,000	1.000%	Quarterly	Jun 2025	13,994	(5,712)	8,282
MSI	CMBX.NA.BBB-.7	2,030,000	USD	2,030,000	3.000%	Monthly	Jan 2047	46,433	404,058	450,491
MSI	CMBX.NA.AAA.11	2,760,000	USD	2,760,000	0.500%	Monthly	Nov 2054	15,389	(23,672)	(8,283)
MSI	CMBX.NA.BBB-.8	2,080,000	USD	2,080,000	3.000%	Monthly	Oct 2057	100,310	379,421	479,731
MSI	CMBX.NA.AAA.10	2,735,000	USD	2,735,000	0.500%	Monthly	Nov 2059	(276)	(18,588)	(18,864)
MSI	CMBX.NA.AAA.13	1,015,000	USD	1,015,000	0.500%	Monthly	Dec 2072	29,844	(16,621)	13,223
				<b>\$64,520,000</b>				<b>\$51,780</b>	<b>\$155,779</b>	<b>\$207,559</b>
Centrally cleared	CDX.NA.IG.34	1,255,000	USD	1,255,000	1.000%	Quarterly	Jun 2025	(13,524)	(8,359)	(21,883)
Centrally cleared	iTraxx Europe Crossover Series 33 Version 1	555,000	EUR	623,542	5.000%	Quarterly	Jun 2025	(31,611)	19,391	(12,220)
Centrally cleared	iTraxx Europe Senior Financials Series 33 Version 1	10,160,000	EUR	11,094,514	1.000%	Quarterly	Jun 2025	(2,736)	(145,107)	(147,843)
Centrally cleared	iTraxx Europe Series 33 Version 1	6,325,000	EUR	6,909,038	1.000%	Quarterly	Jun 2025	(56,031)	(81,926)	(137,957)

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

### Credit default swaps - Buyer (continued)

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	iTraxx Europe Sub Financials Series 33 Version 1	5,310,000	EUR	5,771,636	1.000%	Quarterly	Jun 2025	\$341,105	\$(165,582)	\$175,523
				<b>\$25,653,730</b>				<b>\$237,203</b>	<b>\$(381,583)</b>	<b>\$(144,380)</b>
				<b>\$90,173,730</b>				<b>\$288,983</b>	<b>\$(225,804)</b>	<b>\$63,179</b>

### Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
GSI	CDX.NA.HY.34	5.583%	3,386,750	USD	\$3,386,750	5.000%	Quarterly	Jun 2023	\$(78,682)	\$35,017	\$(43,665)
GSI	CDX.NA.HY.34	5.583%	1,695,750	USD	1,695,750	5.000%	Quarterly	Jun 2023	(39,430)	17,567	(21,863)
GSI	CDX.NA.HY.34	5.583%	1,686,250	USD	1,686,250	5.000%	Quarterly	Jun 2023	(59,296)	37,087	(22,209)
GSI	CMBX.NA.BBB-.11	6.577%	175,000	USD	175,000	3.000%	Monthly	Nov 2054	(30,613)	(4,654)	(35,267)
GSI	CMBX.NA.BBB-.10	7.039%	85,000	USD	85,000	3.000%	Monthly	Nov 2059	(16,481)	(626)	(17,107)
					<b>\$7,028,750</b>				<b>\$(224,502)</b>	<b>\$84,391</b>	<b>\$(140,111)</b>
Centrally cleared	CDX.NA.HY.33	5.127%	1,794,000	USD	1,794,000	5.000%	Quarterly	Dec 2024	(110,698)	175,754	65,056
Centrally cleared	CDX.NA.IG.33	0.724%	9,425,000	USD	9,425,000	1.000%	Quarterly	Dec 2024	(149,298)	350,042	200,744
Centrally cleared	CDX.NA.HY.34	5.148%	1,919,000	USD	1,919,000	5.000%	Quarterly	Jun 2025	5,920	9,992	15,912
					<b>\$13,138,000</b>				<b>\$(254,076)</b>	<b>\$535,788</b>	<b>\$281,712</b>
					<b>\$20,166,750</b>				<b>\$(478,578)</b>	<b>\$620,179</b>	<b>\$141,601</b>

### 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 Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	1,100,000	Sep 2020	BARC	\$2,761	\$15,492	\$18,253
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	3,560,000	Mar 2021	GSI	273	—	273
Pay	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	1,145,000	Sep 2020	JPM	2,874	16,126	19,000
Pay	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	1,330,000	Sep 2020	MSI	3,340	18,729	22,069
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	665,000	Sep 2020	GSI	(1,745)	(9,180)	(10,925)
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	3,560,000	Mar 2021	JPM	(273)	—	(273)
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	1,335,000	Sep 2020	MSI	(3,504)	(18,429)	(21,933)
								<b>\$3,726</b>	<b>\$22,738</b>	<b>\$26,464</b>

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

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Trust (continued)

### Derivatives Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CHF	Swiss Franc
CLP	Chilean Peso
CNY	Chinese Yuan Renminbi
COP	Colombian Peso
CZK	Czech Republic Koruna
EUR	Euro
GBP	Pound Sterling
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
INR	Indian Rupee
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
NOK	Norwegian Krone
NZD	New Zealand Dollar
PHP	Philippine Peso
PLN	Polish Zloty
RUB	Russian Ruble
SEK	Swedish Krona
SGD	Singapore Dollar
TRY	Turkish Lira
USD	U.S. Dollar

### Derivatives Abbreviations

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

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

## Select Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 37.8%</b>		
<b>U.S. Government – 13.2%</b>		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 105,871,000	\$ 121,180,940
2.750%, 11/15/2042	119,770,000	153,371,100
3.000%, 02/15/2047	94,480,000	128,651,497
3.125%, 11/15/2041	96,370,000	130,491,003
U.S. Treasury Inflation Protected Securities		
0.250%, 07/15/2029	41,079,486	44,967,014
U.S. Treasury Notes		
0.125%, 04/30/2022 to 05/31/2022	171,120,000	170,998,415
0.250%, 06/30/2025	180,936,000	180,582,610
0.375%, 03/31/2022	23,760,000	23,845,388

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government (continued)</b>		
U.S. Treasury Notes (continued)		
0.625%, 05/15/2030	\$ 6,312,000	\$ 6,292,768
		960,380,735
<b>U.S. Government Agency – 24.6%</b>		
Federal Home Loan Mortgage Corp.		
3.000%, 03/01/2043 to 02/01/2050	266,000,545	283,290,697
3.000%, 01/01/2050 (A)	12,308,332	13,065,620
3.500%, 04/01/2044 to 12/01/2049	186,628,613	202,192,469
4.000%, 11/01/2043 to 12/01/2048	61,203,257	66,266,582
Federal National Mortgage Association		
2.625%, 09/06/2024	8,300,000	9,087,328
3.000%, 01/01/2043 to 11/01/2049	346,477,980	369,054,518

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
3.500%, 06/01/2042 to 03/01/2050	\$ 433,830,032	\$ 468,236,711
4.000%, 09/01/2040 to 10/01/2048	276,210,258	304,396,191
4.500%, 12/01/2040 to 05/01/2042	67,960,644	75,477,348
Government National Mortgage Association		
4.000%, 10/15/2039 to 11/15/2041	5,375,190	5,915,939
		1,796,983,403
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,590,303,137)</b>		<b>\$ 2,757,364,138</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.5%</b>		
<b>Qatar – 0.3%</b>		
State of Qatar		
3.375%, 03/14/2024 (B)	11,857,000	12,692,610
5.103%, 04/23/2048 (B)	8,410,000	11,425,422
		24,118,032
<b>Saudi Arabia – 0.2%</b>		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (B)	12,280,000	14,264,448
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$32,437,049)</b>		<b>\$ 38,382,480</b>
<b>CORPORATE BONDS – 43.0%</b>		
<b>Communication services – 3.5%</b>		
Activision Blizzard, Inc.		
3.400%, 09/15/2026	5,073,000	5,761,680
AT&T, Inc.		
2.300%, 06/01/2027	6,382,000	6,589,118
3.400%, 05/15/2025	12,955,000	14,244,754
3.800%, 02/15/2027	9,390,000	10,573,952
CC Holdings GS V LLC		
3.849%, 04/15/2023	8,542,000	9,225,594
Charter Communications Operating LLC		
4.200%, 03/15/2028	15,151,000	16,984,429
4.800%, 03/01/2050	15,035,000	17,040,746
5.750%, 04/01/2048	14,120,000	17,570,927
6.484%, 10/23/2045	12,093,000	16,067,271
Comcast Corp.		
3.100%, 04/01/2025	6,788,000	7,456,332
3.999%, 11/01/2049	2,025,000	2,444,406
4.049%, 11/01/2052	11,306,000	13,865,724
4.150%, 10/15/2028	22,422,000	26,974,637
Level 3 Financing, Inc.		
3.400%, 03/01/2027 (B)	6,456,000	6,811,919
T-Mobile USA, Inc.		
1.500%, 02/15/2026 (B)	7,174,000	7,173,498
2.050%, 02/15/2028 (B)	12,378,000	12,383,818
2.550%, 02/15/2031 (B)	4,124,000	4,138,516
3.875%, 04/15/2030 (B)	13,891,000	15,482,492
4.500%, 04/15/2050 (B)	7,790,000	9,176,231
Verizon Communications, Inc.		
3.000%, 03/22/2027	2,177,000	2,414,620
4.400%, 11/01/2034	7,105,000	8,828,642
4.862%, 08/21/2046	15,989,000	21,735,450
		252,944,756
<b>Consumer discretionary – 3.8%</b>		
Amazon.com, Inc.		
3.150%, 08/22/2027	16,225,000	18,565,879
4.050%, 08/22/2047	8,281,000	10,797,439
AutoNation, Inc.		
4.750%, 06/01/2030	4,925,000	5,335,701

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
BMW US Capital LLC		
2.950%, 04/14/2022 (B)(C)	\$ 3,363,000	\$ 3,484,459
Choice Hotels International, Inc.		
3.700%, 12/01/2029	11,867,000	11,888,005
Daimler Finance North America LLC		
2.700%, 06/14/2024 (B)	6,580,000	6,801,608
3.500%, 08/03/2025 (B)(C)	5,990,000	6,447,150
Dollar Tree, Inc.		
4.200%, 05/15/2028	13,860,000	16,128,929
eBay, Inc.		
2.700%, 03/11/2030	10,645,000	11,188,567
Expedia Group, Inc.		
3.250%, 02/15/2030	9,432,000	8,790,377
3.800%, 02/15/2028	15,965,000	15,341,408
5.000%, 02/15/2026	10,925,000	11,244,444
Ford Motor Credit Company LLC		
4.134%, 08/04/2025	23,065,000	21,875,999
5.113%, 05/03/2029	15,357,000	14,978,911
General Motors Financial Company, Inc.		
4.000%, 01/15/2025	16,433,000	17,178,352
4.300%, 07/13/2025	7,929,000	8,261,938
Magna International, Inc.		
2.450%, 06/15/2030	2,879,000	2,946,520
Nissan Motor Acceptance Corp.		
3.450%, 03/15/2023 (B)	6,650,000	6,610,220
Prosus NV		
4.850%, 07/06/2027 (B)	3,610,000	4,039,282
5.500%, 07/21/2025 (B)	8,425,000	9,516,485
QVC, Inc.		
5.450%, 08/15/2034	3,840,000	3,472,397
Resorts World Las Vegas LLC		
4.625%, 04/16/2029 (B)	8,800,000	8,622,638
Starbucks Corp.		
2.250%, 03/12/2030	11,159,000	11,591,079
Target Corp.		
2.250%, 04/15/2025	5,247,000	5,612,831
The TJX Companies, Inc.		
3.500%, 04/15/2025	8,691,000	9,669,634
3.875%, 04/15/2030	10,644,000	12,505,756
Volkswagen Group of America Finance LLC		
2.900%, 05/13/2022 (B)	11,183,000	11,549,322
		274,445,330
<b>Consumer staples – 1.1%</b>		
Alimentation Couche-Tard, Inc.		
2.700%, 07/26/2022 (B)	7,214,000	7,384,984
Anheuser-Busch InBev Worldwide, Inc.		
4.600%, 04/15/2048	10,094,000	11,783,837
Cargill, Inc.		
1.375%, 07/23/2023 (B)	4,323,000	4,397,598
2.125%, 04/23/2030 (B)	4,306,000	4,512,727
Coca-Cola Femsa SAB de CV		
2.750%, 01/22/2030	8,429,000	8,914,269
Constellation Brands, Inc.		
2.875%, 05/01/2030 (C)	3,295,000	3,490,444
Dollar General Corp.		
3.500%, 04/03/2030	6,395,000	7,163,295
Keurig Dr. Pepper, Inc.		
3.200%, 05/01/2030	3,170,000	3,506,855
The Clorox Company		
1.800%, 05/15/2030	10,582,000	10,673,070
The Coca-Cola Company		
4.200%, 03/25/2050	7,419,000	9,739,157

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
The Kroger Company 2.200%, 05/01/2030	\$ 5,402,000	\$ 5,617,097
		77,183,333
<b>Energy – 2.7%</b>		
Aker BP ASA 3.000%, 01/15/2025 (B)	6,211,000	6,048,983
Cimarex Energy Company 4.375%, 06/01/2024	6,403,000	6,754,364
Colorado Interstate Gas Company LLC 4.150%, 08/15/2026 (B)	5,555,000	6,181,787
Enbridge, Inc. (6.250% to 3-1-28, then 3 month LIBOR + 3.640%) 03/01/2078	9,984,000	9,834,240
Energy Transfer Operating LP 4.200%, 04/15/2027	4,472,000	4,678,818
	4,250%, 03/15/2023	6,857,000
	5.150%, 03/15/2025	5,400,000
	5.875%, 01/15/2024	8,500,000
Enterprise Products Operating LLC (5.250% to 8-16-27, then 3 month LIBOR + 3.030%) 08/16/2077	12,660,000	11,837,100
Husky Energy, Inc. 3.950%, 04/15/2022	4,500,000	4,597,430
Kinder Morgan Energy Partners LP 7.750%, 03/15/2032	4,555,000	6,143,237
MPLX LP 4.000%, 03/15/2028	9,383,000	9,885,875
	4.250%, 12/01/2027	5,555,000
	5.250%, 01/15/2025	5,370,000
ONEOK Partners LP 4.900%, 03/15/2025	4,043,000	4,389,155
Phillips 66 3.700%, 04/06/2023	2,524,000	2,698,136
Sabine Pass Liquefaction LLC 4.200%, 03/15/2028	6,870,000	7,367,874
	5.000%, 03/15/2027	8,336,000
	5.875%, 06/30/2026	9,579,000
Saudi Arabian Oil Company 2.875%, 04/16/2024 (B)	15,637,000	16,252,174
Sunoco Logistics Partners Operations LP 3.900%, 07/15/2026	10,801,000	11,361,396
	5.400%, 10/01/2047	8,136,000
The Williams Companies, Inc. 3.750%, 06/15/2027	6,455,000	6,885,290
	4.550%, 06/24/2024	14,035,000
TransCanada PipeLines, Ltd. 4.250%, 05/15/2028	6,220,000	7,155,007
		199,699,392
<b>Financials – 13.0%</b>		
Ameriprise Financial, Inc. 3.000%, 04/02/2025	8,658,000	9,397,424
Ares Capital Corp. 4.200%, 06/10/2024	8,855,000	9,066,916
Australia & New Zealand Banking Group, Ltd. (6.750% to 6-15-26, then 5 Year ICE Swap Rate + 5.170%) 06/15/2026 (B)(C)(D)	5,540,000	6,145,965
AXA SA 8.600%, 12/15/2030	4,814,000	6,991,912
Banco Santander SA 4.379%, 04/12/2028	7,600,000	8,489,742
Bank of America Corp. 3.950%, 04/21/2025	9,372,000	10,370,198
	4.200%, 08/26/2024	6,250,000
	4.450%, 03/03/2026	11,011,000

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	\$ 12,322,000	\$ 13,033,615
Bank of America Corp. (3.864% to 7-23-23, then 3 month LIBOR + 0.940%) 07/23/2024 (C)	15,600,000	16,950,024
Bank of Montreal 1.850%, 05/01/2025	10,560,000	10,932,742
	3.300%, 02/05/2024	23,365,000
Barclays Bank PLC 10.179%, 06/12/2021 (B)	3,675,000	3,974,090
Barclays PLC 4.375%, 01/12/2026	7,380,000	8,304,056
BPCE SA 4.500%, 03/15/2025 (B)	10,505,000	11,469,553
	5.700%, 10/22/2023 (B)	9,475,000
BrightHouse Financial, Inc. 3.700%, 06/22/2027	12,416,000	12,659,999
Cantor Fitzgerald LP 4.875%, 05/01/2024 (B)	12,051,000	12,992,539
Capital One Financial Corp. 2.600%, 05/11/2023	5,127,000	5,353,900
	3.900%, 01/29/2024 (C)	11,800,000
Citigroup, Inc. 3.200%, 10/21/2026	14,892,000	16,331,711
	4.600%, 03/09/2026	14,174,000
	5.500%, 09/13/2025	5,625,000
Citizens Bank NA 2.250%, 04/28/2025	8,647,000	9,176,143
Citizens Financial Group, Inc. 3.250%, 04/30/2030	11,890,000	12,847,028
CNO Financial Group, Inc. 5.250%, 05/30/2029	8,285,000	8,877,496
Credit Agricole SA 3.250%, 01/14/2030 (B)	10,802,000	11,587,494
Credit Suisse Group AG 3.574%, 01/09/2023 (B)	3,256,000	3,377,487
Danske Bank A/S 5.000%, 01/12/2022 (B)	6,007,000	6,317,170
Discover Bank 2.450%, 09/12/2024	6,232,000	6,535,872
Discover Financial Services 3.950%, 11/06/2024	12,399,000	13,561,555
	4.100%, 02/09/2027	4,203,000
Fifth Third Bancorp 1.625%, 05/05/2023	3,230,000	3,313,033
GE Capital International Funding Company 4.418%, 11/15/2035	11,571,000	11,747,413
HSBC Holdings PLC (3.950% to 5-18-23, then 3 month LIBOR + 0.990%) 05/18/2024	13,550,000	14,562,257
HSBC Holdings PLC (6.875% to 6-1-21, then 5 Year ICE Swap Rate + 5.510%) 06/01/2021 (D)	6,220,000	6,311,066
ING Bank NV 5.800%, 09/25/2023 (B)	1,107,000	1,242,169
ING Groep NV 3.550%, 04/09/2024	5,555,000	6,046,003
Jefferies Financial Group, Inc. 5.500%, 10/18/2023	4,655,000	5,042,362
Jefferies Group LLC 4.150%, 01/23/2030	7,245,000	7,865,638
	4.850%, 01/15/2027	6,923,000

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
JPMorgan Chase & Co. 2.950%, 10/01/2026	\$ 13,224,000	\$ 14,523,987
JPMorgan Chase & Co. (2.522% to 4-22-30, then SOFR + 2.040%) 04/22/2031	12,793,000	13,510,811
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.520%) 05/13/2031	11,886,000	12,639,319
JPMorgan Chase & Co. (3.960% to 1-29-26, then 3 month LIBOR + 1.240%) 01/29/2027	9,721,000	11,072,680
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.120%) 02/01/2025 (D)	7,625,000	6,798,450
JPMorgan Chase & Co. (6.750% to 2-1-24, then 3 month LIBOR + 3.780%) 02/01/2024 (D)	14,980,000	16,103,500
Lazard Group LLC 4.375%, 03/11/2029	7,100,000	7,945,244
Lincoln National Corp. 4.000%, 09/01/2023	4,000,000	4,355,105
Lloyds Banking Group PLC 4.450%, 05/08/2025	16,755,000	19,000,641
M&T Bank Corp. (5.125% to 11-1-26, then 3 month LIBOR + 3.520%) 11/01/2026 (D)	7,340,000	7,317,026
Macquarie Bank, Ltd. 3.624%, 06/03/2030 (B) 4.875%, 06/10/2025 (B)	6,523,000 7,810,000	6,833,890 8,633,584
Manufacturers & Traders Trust Company (3 month LIBOR + 0.640%) 0.990%, 12/01/2021 (E)	3,610,000	3,602,611
MetLife, Inc. (6.400% to 12-15-36, then 3 month LIBOR + 2.200%) 12/15/2036	7,277,000	8,589,261
MetLife, Inc. (9.250% to 4-8-38, then 3 month LIBOR + 5.540%) 04/08/2038 (B)	2,567,000	3,560,942
Morgan Stanley 3.875%, 01/27/2026	8,269,000	9,353,932
Morgan Stanley (2.188% to 4-28-25, then SOFR + 1.990%) 04/28/2026	21,595,000	22,459,035
Nationwide Building Society (3.622% to 4-26-22, then 3 month LIBOR + 1.180%) 04/26/2023 (B)	5,604,000	5,822,970
New York Life Insurance Company 3.750%, 05/15/2050 (B)	5,384,000	6,067,220
Nippon Life Insurance Company (5.100% to 10-16-24, then 5 Year ICE Swap Rate + 3.650%) 10/16/2044 (B)	5,325,000	5,913,387
Ohio National Financial Services, Inc. 5.550%, 01/24/2030 (B)	6,460,000	6,157,831
Prudential Financial, Inc. (5.875% to 9-15-22, then 3 month LIBOR + 4.180%) 09/15/2042	13,898,000	14,793,031
Raymond James Financial, Inc. 4.650%, 04/01/2030	3,232,000	3,863,829
Regions Financial Corp. 2.250%, 05/18/2025	21,494,000	22,484,224
Santander Holdings USA, Inc. 3.244%, 10/05/2026 3.400%, 01/18/2023 3.450%, 06/02/2025 3.500%, 06/07/2024 4.400%, 07/13/2027	14,811,000 5,645,000 14,702,000 12,520,000 4,673,000	15,387,458 5,876,011 15,323,661 13,169,308 5,063,430

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Santander UK Group Holdings PLC 4.750%, 09/15/2025 (B)	\$ 6,030,000	\$ 6,532,299
Stifel Financial Corp. 4.250%, 07/18/2024	7,344,000	7,815,291
SVB Financial Group 3.125%, 06/05/2030	7,717,000	8,263,895
Teachers Insurance & Annuity Association of America 4.270%, 05/15/2047 (B)	8,083,000	9,589,937
The Bank of New York Mellon Corp. 1.600%, 04/24/2025	8,195,000	8,487,504
The Goldman Sachs Group, Inc. 3.850%, 01/26/2027	18,038,000	20,347,130
The PNC Financial Services Group, Inc. 2.200%, 11/01/2024 3.150%, 05/19/2027 3.500%, 01/23/2024	11,040,000 3,997,000 5,022,000	11,710,069 4,470,768 5,487,634
The PNC Financial Services Group, Inc. (4.850% to 6-1-23, then 3 month LIBOR + 3.040%) 06/01/2023 (D)	7,182,000	6,876,765
The PNC Financial Services Group, Inc. (6.750% to 8-1-21, then 3 month LIBOR + 3.680%) 08/01/2021 (D)	11,183,000	11,099,128
The Royal Bank of Scotland Group PLC 3.875%, 09/12/2023	8,246,000	8,890,378
The Royal Bank of Scotland Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	4,512,000	4,676,386
The Toronto-Dominion Bank 2.650%, 06/12/2024 3.250%, 03/11/2024	15,490,000 10,361,000	16,576,796 11,283,479
Truist Financial Corp. 4.000%, 05/01/2025	8,887,000	10,117,725
USAA Capital Corp. 2.125%, 05/01/2030 (B)	3,725,000	3,835,137
Wells Fargo & Company 3.550%, 09/29/2025	17,333,000	19,356,360
Wells Fargo & Company (2.188% to 4-30-25, then SOFR + 2.000%) 04/30/2026	20,904,000	21,614,053
Wells Fargo & Company (2.393% to 6-2-27, then SOFR + 2.100%) 06/02/2028	13,546,000	13,993,389
Wells Fargo & Company (3.068% to 4-30-40, then SOFR + 2.530%) 04/30/2041	9,762,000	10,157,632
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (D)	19,495,000	20,262,518
Zions Bancorp NA 3.250%, 10/29/2029	18,340,000	18,076,817
		950,002,020
<b>Health care – 2.8%</b>		
AbbVie, Inc. 3.200%, 11/21/2029 (B) 4.250%, 11/21/2049 (B)	16,282,000 6,159,000	18,107,189 7,382,866
AmerisourceBergen Corp. 2.800%, 05/15/2030 3.450%, 12/15/2027	9,121,000 12,400,000	9,605,905 13,982,885
Anthem, Inc. 2.375%, 01/15/2025	2,595,000	2,750,134
Cottage Health Obligated Group 3.304%, 11/01/2049	13,369,000	14,641,742
CVS Health Corp. 3.000%, 08/15/2026	2,550,000	2,788,086

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
CVS Health Corp. (continued)		
3.750%, 04/01/2030	\$ 7,985,000	\$ 9,181,876
4.300%, 03/25/2028	11,078,000	12,951,202
5.050%, 03/25/2048	11,164,000	14,521,775
Fresenius Medical Care US Finance III, Inc.		
3.750%, 06/15/2029 (B)	16,265,000	17,638,549
HCA, Inc.		
4.125%, 06/15/2029	13,112,000	14,460,625
Partners Healthcare System, Inc.		
3.192%, 07/01/2049 (C)	14,047,000	14,896,836
Premier Health Partners		
2.911%, 11/15/2026	7,827,000	7,732,340
Shire Acquisitions Investments Ireland DAC		
3.200%, 09/23/2026	12,537,000	13,906,122
Stanford Health Care		
3.310%, 08/15/2030	3,557,000	3,974,372
Universal Health Services, Inc.		
4.750%, 08/01/2022 (B)	5,605,000	5,605,000
5.000%, 06/01/2026 (B)	6,964,000	7,136,011
Upjohn, Inc.		
1.650%, 06/22/2025 (B)(C)	4,139,000	4,219,523
2.300%, 06/22/2027 (B)	4,139,000	4,272,976
2.700%, 06/22/2030 (B)	4,139,000	4,252,458
		204,008,472
<b>Industrials – 5.3%</b>		
AerCap Ireland Capital DAC		
2.875%, 08/14/2024	9,076,000	8,516,380
Air Canada 2013-1 Class A Pass Through Trust		
4.125%, 05/15/2025 (B)(C)	3,001,443	2,704,032
Air Canada 2017-1 Class B Pass Through Trust		
3.700%, 01/15/2026 (B)	4,828,968	3,655,641
Air Lease Corp.		
3.625%, 12/01/2027	4,932,000	4,836,694
Alaska Airlines 2020-1 Class B Pass Through Trust		
8.000%, 02/15/2027 (B)	12,236,000	12,388,950
America West Airlines 2000-1 Pass Through Trust		
8.057%, 01/02/2022	949,169	948,911
American Airlines 2013-1 Class A Pass Through Trust		
4.000%, 01/15/2027	4,214,283	3,200,721
American Airlines 2015-1 Class A Pass Through Trust		
3.375%, 05/01/2027	9,716,208	8,126,329
American Airlines 2016-1 Class A Pass Through Trust		
4.100%, 01/15/2028	8,681,859	7,266,466
American Airlines 2016-1 Class AA Pass Through Trust		
3.575%, 07/15/2029	7,602,217	7,289,335
American Airlines 2017-1 Class A Pass Through Trust		
4.000%, 02/15/2029	5,758,638	4,746,558
American Airlines 2017-1 Class AA Pass Through Trust		
3.650%, 02/15/2029	6,619,663	6,306,510
American Airlines 2017-2 Class A Pass Through Trust		
3.600%, 10/15/2029	5,096,379	4,127,988

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
American Airlines 2019-1 Class A Pass Through Trust		
3.500%, 02/15/2032	\$ 5,188,860	\$ 4,176,804
American Airlines 2019-1 Class AA Pass Through Trust		
3.150%, 02/15/2032	7,773,443	7,156,266
Ashtead Capital, Inc.		
4.250%, 11/01/2029 (B)	4,031,000	4,031,000
5.250%, 08/01/2026 (B)	9,165,000	9,634,706
British Airways 2013-1 Class A Pass Through Trust		
4.625%, 06/20/2024 (B)	3,704,602	3,433,499
British Airways 2018-1 Class A Pass Through Trust		
4.125%, 09/20/2031 (B)	1,766,870	1,457,856
Canadian Pacific Railway Company		
2.050%, 03/05/2030	7,562,000	7,737,594
Carrier Global Corp.		
2.242%, 02/15/2025 (B)	12,029,000	12,333,095
2.493%, 02/15/2027 (B)	4,402,000	4,483,537
CH Robinson Worldwide, Inc.		
4.200%, 04/15/2028	7,980,000	9,089,923
CNH Industrial Capital LLC		
1.950%, 07/02/2023 (A)	7,187,000	7,235,620
Continental Airlines 2007-1 Class A Pass Through Trust		
5.983%, 04/19/2022	2,501,411	2,331,671
CoStar Group, Inc.		
2.800%, 07/15/2030 (B)	10,366,000	10,605,621
Delta Air Lines 2002-1 Class G-1 Pass Through Trust		
6.718%, 01/02/2023	1,312,974	1,254,082
Delta Air Lines, Inc.		
2.900%, 10/28/2024	15,545,000	12,607,234
3.800%, 04/19/2023	6,835,000	6,084,020
4.375%, 04/19/2028 (C)	8,785,000	7,321,720
DuPont de Nemours, Inc.		
2.169%, 05/01/2023	8,347,000	8,503,506
General Electric Company		
4.350%, 05/01/2050 (C)	10,576,000	10,481,264
5.550%, 01/05/2026	10,712,000	12,434,703
Huntington Ingalls Industries, Inc.		
3.844%, 05/01/2025 (B)	2,145,000	2,329,094
4.200%, 05/01/2030 (B)	7,637,000	8,507,850
5.000%, 11/15/2025 (B)	6,231,000	6,451,267
IHS Markit, Ltd.		
4.000%, 03/01/2026 (B)	8,327,000	9,209,745
4.750%, 02/15/2025 (B)	4,400,000	4,928,000
4.750%, 08/01/2028	6,540,000	7,674,232
JetBlue 2019-1 Class AA Pass Through Trust		
2.750%, 05/15/2032	7,780,957	7,375,453
Otis Worldwide Corp.		
2.056%, 04/05/2025 (B)	9,425,000	9,877,205
Owens Corning		
3.950%, 08/15/2029	8,341,000	9,089,932
The Boeing Company		
3.200%, 03/01/2029	28,311,000	28,002,043
5.040%, 05/01/2027	10,376,000	11,440,889
5.805%, 05/01/2050	10,762,000	12,698,126
United Airlines 2014-2 Class A Pass Through Trust		
3.750%, 09/03/2026	9,882,106	8,993,157

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
United Airlines 2014-2 Class B Pass Through Trust 4.625%, 09/03/2022	\$ 2,664,481	\$ 2,342,541
United Airlines 2016-1 Class A Pass Through Trust 3.450%, 07/07/2028	9,093,218	7,562,303
United Airlines 2016-1 Class B Pass Through Trust 3.650%, 01/07/2026	10,503,819	7,699,037
United Airlines 2018-1 Class B Pass Through Trust 4.600%, 03/01/2026	3,238,078	2,406,336
United Airlines 2019-1 Class A Pass Through Trust 4.550%, 08/25/2031 (C)	7,195,732	5,944,712
United Parcel Service, Inc. 3.900%, 04/01/2025	7,566,000	8,588,868
US Airways 2010-1 Class A Pass Through Trust 6.250%, 04/22/2023	2,013,139	1,630,610
US Airways 2012-1 Class A Pass Through Trust 5.900%, 04/01/2026	3,454,061	3,132,803
		382,392,439
<b>Information technology – 5.9%</b>		
Apple, Inc. 1.125%, 05/11/2025	10,935,000	11,130,408
Applied Materials, Inc. 1.750%, 06/01/2030 2.750%, 06/01/2050	5,002,000 5,796,000	5,086,917 5,908,995
Autodesk, Inc. 2.850%, 01/15/2030	4,681,000	5,153,001
Broadcom Corp. 3.125%, 01/15/2025 3.875%, 01/15/2027	7,165,000 24,892,000	7,653,618 26,909,801
Broadcom, Inc. 4.700%, 04/15/2025 (B) 4.750%, 04/15/2029 (B) 5.000%, 04/15/2030 (B)	11,034,000 8,360,000 12,571,000	12,422,944 9,487,790 14,445,564
Citrix Systems, Inc. 3.300%, 03/01/2030	11,323,000	12,101,366
Dell International LLC 4.900%, 10/01/2026 (B) 5.300%, 10/01/2029 (B) 5.850%, 07/15/2025 (B) 8.350%, 07/15/2046 (B)	10,965,000 14,027,000 3,860,000 8,532,000	12,073,072 15,528,488 4,434,525 11,081,800
Hewlett Packard Enterprise Company 4.900%, 10/15/2025	9,504,000	10,992,389
Infor, Inc. 1.450%, 07/15/2023 (B)	3,804,000	3,835,412
Jabil, Inc. 3.600%, 01/15/2030	13,765,000	14,411,429
KLA Corp. 4.100%, 03/15/2029	7,998,000	9,436,767
Lam Research Corp. 4.000%, 03/15/2029 4.875%, 03/15/2049	14,493,000 8,624,000	17,219,513 11,953,597
Marvell Technology Group, Ltd. 4.875%, 06/22/2028	10,010,000	12,038,742
Microchip Technology, Inc. 4.333%, 06/01/2023	18,809,000	20,290,396
Micron Technology, Inc. 2.497%, 04/24/2023 4.185%, 02/15/2027 4.975%, 02/06/2026	11,885,000 20,585,000 5,300,000	12,341,859 22,799,443 6,080,954

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Micron Technology, Inc. (continued) 5.327%, 02/06/2029	\$ 16,374,000	\$ 19,586,165
Microsoft Corp. 2.525%, 06/01/2050	7,583,000	7,846,206
Motorola Solutions, Inc. 4.600%, 02/23/2028 to 05/23/2029	13,818,000	15,756,916
NVIDIA Corp. 2.850%, 04/01/2030	8,458,000	9,406,429
NXP BV 3.400%, 05/01/2030 (B) 3.875%, 06/18/2026 (B) 4.875%, 03/01/2024 (B)	3,042,000 5,422,000 5,465,000	3,273,344 6,066,795 6,103,503
Oracle Corp. 2.950%, 04/01/2030 (C)	18,106,000	20,170,860
PayPal Holdings, Inc. 2.850%, 10/01/2029	11,765,000	12,874,078
Seagate HDD Cayman 4.091%, 06/01/2029 (B) 4.125%, 01/15/2031 (B)	12,247,000 9,600,000	12,808,662 10,057,655
Visa, Inc. 2.700%, 04/15/2040	4,341,000	4,650,506
VMware, Inc. 4.500%, 05/15/2025	8,645,000	9,458,429
		432,878,338
<b>Materials – 1.9%</b>		
Albemarle Wodgina Pty, Ltd. 3.450%, 11/15/2029 (B)	7,500,000	7,260,499
Anglo American Capital PLC 4.750%, 04/10/2027 (B)	9,195,000	10,232,449
Colonial Enterprises, Inc. 3.250%, 05/15/2030 (B)	21,934,000	23,776,021
Ecolab, Inc. 4.800%, 03/24/2030	7,250,000	9,191,719
EI du Pont de Nemours and Company 1.700%, 07/15/2025	4,221,000	4,358,012
Georgia-Pacific LLC 1.750%, 09/30/2025 (B) 2.300%, 04/30/2030 (B)	11,022,000 21,512,000	11,370,639 22,410,958
Inversiones CMPC SA 3.850%, 01/13/2030 (B)	3,668,000	3,743,194
Newmont Corp. 2.800%, 10/01/2029	5,113,000	5,391,041
Orbia Advance Corp. SAB de CV 5.500%, 01/15/2048 (B)	6,320,000	6,636,000
Steel Dynamics, Inc. 3.250%, 01/15/2031	1,479,000	1,503,077
Syngenta Finance NV 4.441%, 04/24/2023 (B) 5.676%, 04/24/2048 (B)	10,880,000 5,180,000	11,419,135 5,242,311
The Sherwin-Williams Company 2.300%, 05/15/2030	11,434,000	11,658,004
Vulcan Materials Company 3.500%, 06/01/2030	6,464,000	7,019,397
		141,212,456
<b>Real estate – 1.7%</b>		
American Homes 4 Rent LP 4.250%, 02/15/2028	10,505,000	11,232,522
American Tower Corp. 2.400%, 03/15/2025 2.950%, 01/15/2025 3.550%, 07/15/2027 3.800%, 08/15/2029	7,146,000 7,845,000 11,655,000 6,600,000	7,511,897 8,528,925 12,989,368 7,499,634
Crown Castle International Corp. 2.250%, 01/15/2031 3.300%, 07/01/2030	12,255,000 2,390,000	12,343,462 2,609,420

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
Crown Castle		
International Corp. (continued)		
4.150%, 07/01/2050	\$ 2,123,000	\$ 2,440,224
CyrusOne LP		
3.450%, 11/15/2029	8,590,000	8,941,761
Equinix, Inc.		
1.800%, 07/15/2027	3,053,000	3,056,145
3.200%, 11/18/2029	9,385,000	10,187,230
GLP Capital LP		
3.350%, 09/01/2024	4,360,000	4,356,512
5.375%, 04/15/2026	9,005,000	9,841,384
SBA Tower Trust		
2.836%, 01/15/2025 (B)	7,899,000	8,143,974
3.722%, 04/11/2023 (B)	10,335,000	10,724,751
Ventas Realty LP		
3.500%, 02/01/2025	4,775,000	4,928,384
		125,335,593
<b>Utilities – 1.3%</b>		
ABY Transmission Sur SA		
6.875%, 04/30/2043 (B)	2,599,792	3,347,232
Dominion Energy, Inc.		
3.375%, 04/01/2030	6,413,000	7,094,260
Emera US Finance LP		
3.550%, 06/15/2026	6,192,000	6,948,564
Engie Energia Chile SA		
3.400%, 01/28/2030 (B)	12,850,000	13,383,275
FirstEnergy Corp.		
2.650%, 03/01/2030	5,771,000	6,022,176
NextEra Energy Capital Holdings, Inc.		
3.550%, 05/01/2027	12,260,000	13,898,486
NiSource, Inc.		
3.600%, 05/01/2030	4,105,000	4,690,320
NRG Energy, Inc.		
3.750%, 06/15/2024 (B)	6,545,000	6,909,659
Vistra Operations Company LLC		
3.550%, 07/15/2024 (B)	12,479,000	12,879,264
3.700%, 01/30/2027 (B)	9,168,000	9,439,932
4.300%, 07/15/2029 (B)	8,710,000	9,155,350
		93,768,518
TOTAL CORPORATE BONDS (Cost \$2,953,232,729)		\$ 3,133,870,647
<b>MUNICIPAL BONDS – 1.2%</b>		
Central Plains Energy Project (Nebraska)		
4.000%, 12/01/2049	7,370,000	8,365,540
Foothill-Eastern Transportation Corridor Agency (California)		
4.094%, 01/15/2049	7,076,000	7,265,637
Mississippi Hospital Equipment & Facilities Authority		
3.720%, 09/01/2026	7,677,000	8,200,802
New Jersey Transportation Trust Fund Authority		
4.081%, 06/15/2039	9,117,000	8,563,233
4.131%, 06/15/2042	790,000	735,806
Ohio Air Quality Development Authority		
2.100%, 10/01/2028	18,315,000	18,453,095
Ohio Turnpike & Infrastructure Commission		
3.216%, 02/15/2048	6,950,000	7,195,961

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
Regents of the University of California Medical Center Pooled Revenue		
3.006%, 05/15/2050	\$ 14,275,000	\$ 14,454,151
Tennergy Corp.		
5.000%, 02/01/2050	13,270,000	15,341,845
TOTAL MUNICIPAL BONDS (Cost \$86,708,135)		\$ 88,576,070
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 7.9%</b>		
<b>Commercial and residential – 5.8%</b>		
Arroyo Mortgage Trust		
Series 2019-3, Class A1		
2.962%, 10/25/2048 (B)(F)	6,411,282	6,550,749
BAMLL Commercial Mortgage Securities Trust		
Series 2015-200P, Class A,		
3.218%, 04/14/2033 (B)	5,706,000	6,087,209
Series 2015-200P, Class C,		
3.716%, 04/14/2033 (B)(F)	6,760,000	7,162,983
Series 2019-BPR, Class DNM,		
3.843%, 11/05/2032 (B)(F)	5,605,000	3,666,848
BBCMS Mortgage Trust		
Series 2020-C6, Class A2		
2.690%, 02/15/2053	4,700,000	4,926,825
Benchmark Mortgage Trust		
Series 2018-B1, Class A2,		
3.571%, 01/15/2051	12,340,000	12,742,742
Series 2018-B7, Class A2,		
4.377%, 05/15/2053	9,785,000	10,626,094
Series 2019-B12, Class A2,		
3.001%, 08/15/2052	11,185,000	11,862,653
Series 2019-B14, Class A2,		
2.915%, 12/15/2062	9,761,000	10,349,509
BRAVO Residential Funding Trust		
Series 2019-NQM1, Class A1		
2.666%, 07/25/2059 (B)(F)	4,605,302	4,688,561
Bunker Hill Loan Depository Trust		
Series 2019-2, Class A1		
2.879%, 07/25/2049 (B)	14,343,662	14,629,943
BX Commercial Mortgage Trust		
Series 2018-BIOA, Class D (1 month LIBOR + 1.321%)		
1.506%, 03/15/2037 (B)(E)	2,722,000	2,596,935
Cantor Commercial Real Estate Lending		
Series 2019-CF1, Class A2		
3.623%, 05/15/2052	10,780,000	11,641,169
Citigroup Commercial Mortgage Trust		
Series 2015-GC29, Class A3,		
2.935%, 04/10/2048	7,495,000	7,826,370
Series 2015-GC29, Class A4,		
3.192%, 04/10/2048	14,450,000	15,477,659
Series 2015-GC33, Class A4,		
3.778%, 09/10/2058	10,860,000	12,023,931
Series 2019-PRM, Class A,		
3.341%, 05/10/2036 (B)	10,020,000	10,377,536
Series 2019-SMRT, Class A,		
4.149%, 01/10/2036 (B)	9,645,000	10,377,000
Series 2020-GC46, Class A2,		
2.708%, 02/15/2053	15,370,000	15,874,848
COLT Mortgage Loan Trust		
Series 2020-1, Class A1		
2.488%, 02/25/2050 (B)(F)	4,698,879	4,749,840
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2014-CR20, Class A3,		
3.326%, 11/10/2047	15,155,000	16,072,058
Series 2016-CR28, Class A3,		
3.495%, 02/10/2049	4,415,000	4,852,952

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) (continued) Series 2016-CR28, Class A4, 3.762%, 02/10/2049	\$ 7,720,000	\$ 8,596,724
Commercial Mortgage Trust (Deutsche Bank AG) Series 2020-CBM, Class A2 2.896%, 02/10/2037 (B)	2,831,000	2,776,575
CSMC Trust Series 2019-AFC1, Class A1, 2.573%, 07/25/2049 (B)	10,737,919	10,959,040
Series 2019-ICE4, Class B (1 month LIBOR + 1.230%), 1.415%, 05/15/2036 (B)(E)	3,709,000	3,667,415
Series 2020-AFC1, Class A1, 2.240%, 02/25/2050 (B)(F)	6,470,252	6,569,719
GCAT Trust Series 2020-NQM1, Class A1 2.247%, 01/25/2060 (B)	11,045,292	11,141,867
GS Mortgage Securities Trust Series 2013-GC12, Class A3, 2.860%, 06/10/2046	11,611,000	11,768,888
Series 2015-GC30, Class A3, 3.119%, 05/10/2050	7,773,014	8,297,163
Series 2015-GC34, Class A3, 3.244%, 10/10/2048	11,195,000	12,034,712
Series 2019-GC40, Class A2, 2.971%, 07/10/2052	6,505,000	6,908,841
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (B)	5,820,000	5,807,114
Irvine Core Office Trust Series 2013-IRV, Class A2 3.279%, 05/15/2048 (B)(F)	7,750,000	8,026,780
JPMBB Commercial Mortgage Securities Trust Series 2015-C31, Class A3 3.801%, 08/15/2048	11,285,000	12,446,470
JPMCC Commercial Mortgage Securities Trust Series 2019-COR5, Class A2 3.150%, 06/13/2052	19,510,000	20,717,064
JPMorgan Chase Commercial Mortgage Securities Trust Series 2015-JP1, Class A5 3.914%, 01/15/2049	11,020,000	12,291,506
KNDL Mortgage Trust Series 2019-KNSQ, Class C (1 month LIBOR + 1.050%) 1.235%, 05/15/2036 (B)(E)	8,830,000	8,543,379
Morgan Stanley Bank of America Merrill Lynch Trust Series 2015-C25, Class A5 3.635%, 10/15/2048	12,945,000	14,183,394
Morgan Stanley Capital I Trust Series 2017-CLS, Class D (1 month LIBOR + 1.400%) 1.585%, 11/15/2034 (B)(E)	5,105,000	4,944,789
New Residential Mortgage Loan Trust Series 2020-1A, Class A1B 3.500%, 10/25/2059 (B)(F)	7,411,724	7,831,389

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Starwood Mortgage Residential Trust Series 2020-1, Class A1 2.275%, 02/25/2050 (B)(F)	\$ 5,332,704	\$ 5,377,483
Wells Fargo Commercial Mortgage Trust Series 2016-C33, Class A3, 3.162%, 03/15/2059	10,130,000	10,732,513
Series 2016-LC24, Class A4, 2.942%, 10/15/2049	6,955,000	7,465,487
Series 2019-C51, Class A2, 3.039%, 06/15/2052	13,310,000	14,137,914
		420,390,640
<b>U.S. Government Agency – 2.1%</b>		
Federal Home Loan Mortgage Corp.		
Series K017, Class X1 IO, 1.433%, 12/25/2021	122,778,047	1,639,283
Series K018, Class X1 IO, 1.445%, 01/25/2022	94,663,563	1,380,119
Series K021, Class X1 IO, 1.548%, 06/25/2022	30,162,621	664,359
Series K022, Class X1 IO, 1.317%, 07/25/2022	139,910,991	2,710,594
Series K026, Class X1 IO, 1.091%, 11/25/2022	155,443,424	2,876,061
Series K038, Class A2, 3.389%, 03/25/2024	8,708,000	9,519,506
Series K038, Class X1 IO, 1.279%, 03/25/2024	52,917,326	1,852,863
Series K040, Class A2, 3.241%, 09/25/2024	15,939,000	17,540,096
Series K048, Class A2, 3.284%, 06/25/2025 (F)	8,485,000	9,453,307
Series K048, Class X1 IO, 0.367%, 06/25/2025	161,378,945	1,763,598
Series K049, Class A2, 3.010%, 07/25/2025	14,510,000	16,011,003
Series K052, Class A2, 3.151%, 11/25/2025	6,245,000	6,953,537
Series K064, Class A1, 2.891%, 10/25/2026	3,362,817	3,632,399
Series K727, Class A2, 2.946%, 07/25/2024	22,472,000	24,147,061
Series KIR3, Class A1, 3.038%, 08/25/2027	13,485,000	14,814,479
Government National Mortgage Association		
Series 2012-114, Class IO, 0.772%, 01/16/2053	32,265,957	1,183,231
Series 2016-174, Class IO, 0.863%, 11/16/2056	26,983,305	1,731,780
Series 2017-109, Class IO, 0.599%, 04/16/2057	36,178,438	1,716,450
Series 2017-124, Class IO, 0.668%, 01/16/2059	48,619,546	2,588,057
Series 2017-135, Class IO, 0.857%, 10/16/2058	62,990,072	3,880,579
Series 2017-140, Class IO, 0.618%, 02/16/2059	54,831,334	2,991,082
Series 2017-159, Class IO, 0.538%, 06/16/2059	78,863,217	3,633,599
Series 2017-20, Class IO, 0.732%, 12/16/2058	71,887,859	3,730,822
Series 2017-22, Class IO, 0.942%, 12/16/2057	34,968,089	2,256,603

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National Mortgage Association (continued)		
Series 2017-41, Class IO, 0.760%, 07/16/2058	\$ 32,567,809	\$ 1,817,632
Series 2017-46, Class IO, 0.616%, 11/16/2057	36,814,160	1,804,880
Series 2017-61, Class IO, 0.763%, 05/16/2059	57,791,748	3,557,076
Series 2018-158, Class IO, 0.691%, 05/16/2061	31,811,578	2,180,241
Series 2018-69, Class IO, 0.574%, 04/16/2060	63,714,983	3,530,587
Series 2019-131, Class IO, 0.931%, 07/16/2061	49,825,109	3,670,566
		155,231,450
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b> (Cost \$581,068,447)		<b>\$ 575,622,090</b>
<b>ASSET BACKED SECURITIES – 7.2%</b>		
Ally Master Owner Trust Series 2018-1, Class A2 2.700%, 01/17/2023	7,910,000	7,981,015
AmeriCredit Automobile Receivables Trust Series 2020-1, Class C 1.590%, 10/20/2025	8,945,000	8,831,470
AMSR Trust Series 2020-SFR1, Class A 1.819%, 04/17/2037 (B)	9,035,000	9,132,366
Series 2020-SFR2, Class A 1.632%, 07/17/2037 (B)	16,147,000	16,306,616
Applebee's Funding LLC Series 2019-1A, Class A2I 4.194%, 06/07/2049 (B)	13,311,000	11,797,939
Avis Budget Rental Car Funding AESOP LLC Series 2019-3A, Class A 2.360%, 03/20/2026 (B)	10,207,000	10,064,072
Series 2020-1A, Class A 2.330%, 08/20/2026 (B)	7,618,000	7,367,712
CARS-DB4 LP Series 2020-1A, Class A1 2.690%, 02/15/2050 (B)	9,539,827	9,597,827
CLI Funding LLC Series 2018-1A, Class A 4.030%, 04/18/2043 (B)	7,016,862	7,108,470
Coinstar Funding LLC Series 2017-1A, Class A2 5.216%, 04/25/2047 (B)	6,528,100	6,244,766
Corevest American Finance Trust Series 2019-3, Class A 2.705%, 10/15/2052 (B)	2,408,639	2,470,826
DB Master Finance LLC Series 2017-1A, Class A2II 4.030%, 11/20/2047 (B)	3,703,748	3,919,232
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (B)	14,083,875	15,189,459
DRB Prime Student Loan Trust Series 2015-D, Class A2 3.200%, 01/25/2040 (B)	3,741,522	3,798,142
Series 2016-B, Class A2 2.890%, 06/25/2040 (B)	4,549,893	4,641,992

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Driven Brands Funding LLC Series 2015-1A, Class A2 5.216%, 07/20/2045 (B)	\$ 6,470,125	\$ 6,718,578
Elara HGV Timeshare Issuer LLC Series 2019-A, Class A 2.610%, 01/25/2034 (B)	9,500,194	9,450,268
Exeter Automobile Receivables Trust Series 2020-1A, Class C 2.490%, 01/15/2025 (B)	10,835,000	10,936,680
Five Guys Funding LLC Series 2017-1A, Class A2 4.600%, 07/25/2047 (B)	5,984,775	6,018,727
Ford Credit Auto Owner Trust Series 2018-1, Class A 3.190%, 07/15/2031 (B)	19,019,000	20,365,851
Series 2018-2, Class A 3.470%, 01/15/2030 (B)	10,177,000	10,770,146
Series 2020-1, Class A 2.040%, 08/15/2031 (B)	11,760,000	11,949,604
Ford Credit Floorplan Master Owner Trust Series 2019-2, Class A 3.060%, 04/15/2026	11,032,000	11,540,842
GMF Floorplan Owner Revolving Trust Series 2019-2, Class A 2.900%, 04/15/2026 (B)	13,385,000	13,947,608
Golden Credit Card Trust Series 2018-4A, Class A 3.440%, 10/15/2025 (B)	18,220,000	19,591,886
GreatAmerica Leasing Receivables Funding LLC Series 2019-1, Class A4 3.210%, 02/18/2025 (B)	7,484,000	7,764,104
Hilton Grand Vacations Trust Series 2018-AA, Class A 3.540%, 02/25/2032 (B)	3,097,970	3,155,913
Home Partners of America Trust Series 2019-1, Class A 2.908%, 09/17/2039 (B)	14,040,382	14,646,028
Jack in the Box Funding LLC Series 2019-1A, Class A23 4.970%, 08/25/2049 (B)	5,427,725	5,554,788
Series 2019-1A, Class A2I 3.982%, 08/25/2049 (B)	6,263,525	6,454,375
Laurel Road Prime Student Loan Trust Series 2019-A, Class A2FX 2.730%, 10/25/2048 (B)	3,225,000	3,322,101
MVW Owner Trust Series 2018-1A, Class A 3.450%, 01/21/2036 (B)	8,067,809	8,245,568
Navient Private Education Loan Trust Series 2016-AA, Class A2A 3.910%, 12/15/2045 (B)	3,406,463	3,558,805
Navient Private Education Refi Loan Trust Series 2019-EA, Class A2A 2.640%, 05/15/2068 (B)	7,410,000	7,571,711
Series 2019-FA, Class A2 2.600%, 08/15/2068 (B)	11,715,000	12,036,845
Series 2020-BA, Class A2 2.120%, 01/15/2069 (B)	12,863,000	13,065,967
Nelnet Student Loan Trust Series 2004-4, Class A5 (3 month LIBOR + 0.160%) 1.151%, 01/25/2037 (E)	5,358,198	5,154,331

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
NRZ Excess Spread-Collateralized Notes		
Series 2018-PLS1, Class A 3.193%, 01/25/2023 (B)	\$ 3,021,287	\$ 3,038,074
Series 2018-PLS2, Class A 3.265%, 02/25/2023 (B)	4,444,702	4,470,011
Oxford Finance Funding LLC Series 2020-1A, Class A2 3.101%, 02/15/2028 (B)	9,540,000	9,685,744
PFS Financing Corp. Series 2018-F, Class A 3.520%, 10/15/2023 (B)	9,260,000	9,542,639
Progress Residential Trust Series 2020-SFR1, Class A 1.732%, 04/17/2037 (B)	7,750,000	7,806,250
Series 2020-SFR2, Class A 2.078%, 06/18/2037 (B)	3,574,000	3,674,936
Santander Revolving Auto Loan Trust Series 2019-A, Class A 2.510%, 01/26/2031 (B)	8,236,000	8,613,107
Sesac Finance LLC Series 2019-1, Class A2 5.216%, 07/25/2049 (B)	9,041,675	9,285,710
Sierra Timeshare Receivables Funding LLC Series 2018-3A, Class A 3.690%, 09/20/2035 (B)	3,575,871	3,652,203
SMB Private Education Loan Trust Series 2015-C, Class A2A 2.750%, 07/15/2027 (B)	2,990,368	3,036,066
Series 2016-A, Class A2A 2.700%, 05/15/2031 (B)	11,500,392	11,760,552
Series 2019-B, Class A2A 2.840%, 06/15/2037 (B)	12,040,000	12,435,079
Sonic Capital LLC Series 2020-1A, Class A2I 3.845%, 01/20/2050 (B)	7,083,310	7,424,088
Sunbird Engine Finance LLC Series 2020-1A, Class A 3.671%, 02/15/2045 (B)	5,108,163	4,046,257
Taco Bell Funding LLC Series 2018-1A, Class A2I 4.318%, 11/25/2048 (B)	10,333,635	10,553,535
Towd Point Mortgage Trust Series 2017-1, Class A1 2.750%, 10/25/2056 (B)(F)	3,113,285	3,185,685
Series 2017-2, Class A1 2.750%, 04/25/2057 (B)(F)	2,396,036	2,438,225
Series 2018-3, Class A1 3.750%, 05/25/2058 (B)(F)	3,964,572	4,256,190
Series 2018-4, Class A1 3.000%, 06/25/2058 (B)(F)	9,398,441	9,916,843
Series 2019-4, Class A1 2.900%, 10/25/2059 (B)(F)	7,456,304	7,843,406
Toyota Auto Loan Extended Note Trust Series 2019-1A, Class A 2.560%, 11/25/2031 (B)	21,486,000	22,868,545
Series 2020-1A, Class A 1.350%, 05/25/2033 (B)	6,839,000	6,941,234
Triton Container Finance V LLC Series 2018-1A, Class A 3.950%, 03/20/2043 (B)	10,013,000	9,985,145
VSE VOI Mortgage LLC Series 2017-A, Class A 2.330%, 03/20/2035 (B)	5,468,333	5,486,566

## Select Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Westlake Automobile Receivables Trust Series 2019-1A, Class C 3.450%, 03/15/2024 (B)	\$ 3,231,000	\$ 3,311,773
Willis Engine Structured Trust V Series 2020-A, Class A 3.228%, 03/15/2045 (B)	3,674,146	2,750,070
<b>TOTAL ASSET BACKED SECURITIES (Cost \$515,953,423)</b>		<b>\$ 524,280,563</b>
<b>PREFERRED SECURITIES – 0.1%</b>		
<b>Utilities – 0.1%</b>		
Dominion Energy, Inc., 7.250%	12,915	1,308,806
DTE Energy Company, 6.250%	15,402	651,813
NextEra Energy, Inc., 5.279%	120,650	5,121,593
The Southern Company, 6.750%	19,330	851,680
<b>TOTAL PREFERRED SECURITIES (Cost \$8,909,788)</b>		<b>\$ 7,933,892</b>
<b>SHORT-TERM INVESTMENTS – 1.7%</b>		
<b>U.S. Government Agency – 0.4%</b>		
Federal Agricultural Mortgage Corp. Discount Note 0.010%, 07/01/2020 *	\$ 10,524,000	10,524,000
Federal Home Loan Bank Discount Note 0.040%, 07/09/2020 *	15,041,000	15,040,599
		<u>25,564,599</u>
<b>Short-term funds – 0.2%</b>		
John Hancock Collateral Trust, 0.2429% (G)(H)	1,774,123	17,761,275
<b>Repurchase agreement – 1.1%</b>		
Barclays Tri-Party Repurchase Agreement dated 6-30-20 at 0.060% to be repurchased at \$43,355,072 on 7-1-20, collateralized by \$27,223,600 U.S. Treasury Bonds, 3.375% due 5-15-44 (valued at \$38,779,766) and \$5,149,000 U.S. Treasury Notes, 1.500% due 9-30-24 (valued at \$5,442,460)	\$ 43,355,000	43,355,000
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$37,615,000 on 7-1-20, collateralized by \$38,278,200 U.S. Treasury Notes, 0.250% due 6-15-23 (valued at \$38,367,368)	37,615,000	37,615,000
		<u>80,970,000</u>
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$124,295,997)</b>		<b>\$ 124,295,874</b>
<b>Total Investments (Select Bond Trust) (Cost \$6,892,908,705) – 99.4%</b>		
		<b>\$ 7,250,325,754</b>
<b>Other assets and liabilities, net – 0.6%</b>		
		<b>41,692,353</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 7,292,018,107</b>

### Security Abbreviations and Legend

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
(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 \$1,435,655,843 or 19.7% of the fund's net assets as of 6-30-20.

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Select Bond Trust (continued)

- (C) All or a portion of this security is on loan as of 6-30-20.  
 (D) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.  
 (E) Variable rate obligation. The coupon rate shown represents the rate at period end.  
 (F) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.

## Select Bond Trust (continued)

- (G) The rate shown is the annualized seven-day yield as of 6-30-20.  
 (H) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.  
 \* Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
10-Year U.S. Treasury Note Futures	1,822	Short	Sep 2020	\$(251,886,927)	\$(253,571,156)	\$(1,684,229)
						<b>\$(1,684,229)</b>

<sup>^</sup> Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

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

## Short Term Government Income Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 93.0%</b>		
<b>U.S. Government – 41.3%</b>		
U.S. Treasury Inflation Protected Securities		
0.625%, 04/15/2023	\$ 1,806,753	\$ 1,880,453
U.S. Treasury Notes		
0.125%, 05/31/2022 to 05/15/2023	7,070,000	7,062,409
0.250%, 04/15/2023	9,000,000	9,019,688
1.125%, 02/28/2022 to 02/28/2025	6,365,000	6,475,020
1.375%, 01/31/2022 to 02/15/2023	3,770,000	3,863,627
1.500%, 09/15/2022	4,000,000	4,118,281
1.750%, 11/30/2021	2,875,000	2,939,351
1.875%, 04/30/2022 to 07/31/2022	14,215,000	14,708,347
2.000%, 05/31/2024	4,500,000	4,812,363
2.125%, 03/31/2024	2,700,000	2,892,902
2.625%, 06/30/2023	5,485,000	5,885,662
2.750%, 07/31/2023	3,215,000	3,468,432
2.875%, 11/30/2023	13,345,000	14,558,561
		<b>81,685,096</b>
<b>U.S. Government Agency – 51.7%</b>		
Federal Agricultural Mortgage Corp.		
2.000%, 01/15/2021	4,965,000	5,013,321
Federal Home Loan Bank		
1.375%, 02/17/2023	8,000,000	8,236,776
1.875%, 11/29/2021	1,960,000	2,007,620
2.875%, 09/13/2024	5,500,000	6,072,879
Federal Home Loan Mortgage Corp.		
0.850%, 07/09/2025 (A)	2,000,000	1,997,977
0.900%, 06/30/2025	2,500,000	2,500,130
1.500%, 02/12/2025	6,000,000	6,283,030
2.375%, 02/16/2021	3,000,000	3,040,382
2.500%, 09/01/2034	3,689,947	3,875,271
3.000%, 07/01/2030 to 12/01/2032	4,621,902	4,880,273
3.500%, 04/01/2032	1,831,534	1,958,549
3.604%, (12 month LIBOR + 1.620%), 05/01/2045 (B)	846,579	875,692
7.000%, 04/01/2031 to 04/01/2032	523	608
Federal National Mortgage Association		
0.625%, 04/22/2025	4,000,000	4,032,737
1.375%, 09/06/2022	6,000,000	6,148,191

## Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National Mortgage Association (continued)		
2.125%, 04/24/2026	\$ 1,000,000	\$ 1,089,779
2.500%, 10/01/2027 to 09/01/2034	4,626,350	4,855,546
2.625%, 01/11/2022	5,000,000	5,185,330
2.875%, 09/12/2023	7,005,000	7,591,398
3.000%, 03/01/2028 to 09/01/2034	11,694,904	12,373,868
3.500%, 07/01/2031 to 06/01/2034	7,136,093	7,652,041
6.500%, 01/01/2039	424,597	504,009
7.000%, 12/01/2026 to 01/01/2029	1,296	1,468
7.500%, 01/01/2031	559	659
8.000%, 10/01/2024 to 09/01/2030	981	1,141
Government National Mortgage Association		
7.500%, 01/15/2027 to 03/15/2027	237	264
Tennessee Valley Authority		
3.875%, 02/15/2021	5,815,000	5,947,082
		<b>102,126,021</b>
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$179,160,821)</b>		
		<b>\$ 183,811,117</b>
<b>MUNICIPAL BONDS – 4.3%</b>		
City of Houston (Texas)		
2.110%, 03/01/2025	1,000,000	1,035,010
3.628%, 05/15/2024	1,000,000	1,103,710
City of New York		
1.990%, 10/01/2026	1,000,000	1,034,780
3.250%, 03/01/2024	1,000,000	1,069,720
County of Orange (Florida)		
2.280%, 01/01/2026	1,000,000	1,040,620
Los Angeles Unified School District (California)		
1.540%, 09/15/2025	1,000,000	1,004,570

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
New York State Urban Development Corp. 3.080%, 03/15/2024	\$ 1,000,000	\$ 1,065,740
State of California 2.375%, 10/01/2026	1,000,000	1,081,400
<b>TOTAL MUNICIPAL BONDS (Cost \$8,130,813)</b>		<b>\$ 8,435,550</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 1.7%</b>		
<b>U.S. Government Agency – 1.7%</b>		
Federal Home Loan Mortgage Corp. Series K017, Class X1 IO, 1.433%, 12/25/2021	21,030,150	280,786
Series K018, Class X1 IO, 1.445%, 01/25/2022	3,888,894	56,697
Series K022, Class X1 IO, 1.317%, 07/25/2022	10,792,437	209,089
Series K026, Class X1 IO, 1.091%, 11/25/2022	5,235,901	96,876
Series K030, Class X1 IO, 0.289%, 04/25/2023	134,486,727	599,299
Series K038, Class X1 IO, 1.279%, 03/25/2024	7,903,440	276,733
Series K718, Class X1 IO, 0.724%, 01/25/2022	18,963,903	126,853
Government National Mortgage Association Series 2012-114, Class IO, 0.772%, 01/16/2053	2,197,275	80,577
Series 2017-109, Class IO, 0.599%, 04/16/2057	2,687,984	127,529
Series 2017-124, Class IO, 0.668%, 01/16/2059	2,907,034	154,744
Series 2017-140, Class IO, 0.618%, 02/16/2059	1,825,306	99,572
Series 2017-20, Class IO, 0.732%, 12/16/2058	4,455,432	231,227
Series 2017-41, Class IO, 0.760%, 07/16/2058	2,935,872	163,853
Series 2017-46, Class IO, 0.616%, 11/16/2057	3,290,004	161,298
Series 2017-61, Class IO, 0.763%, 05/16/2059	1,991,401	122,571
Series 2017-74, Class IO, 0.717%, 09/16/2058	3,116,577	147,435
Series 2017-89, Class IO, 0.764%, 07/16/2059	3,671,218	236,373
Series 2018-9, Class IO, 0.557%, 01/16/2060	2,487,786	133,184
		3,304,696
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$2,885,106)</b>		<b>\$ 3,304,696</b>
<b>SHORT-TERM INVESTMENTS – 1.4%</b>		
<b>Repurchase agreement – 1.4%</b>		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$2,749,000 on 7-1-20, collateralized by \$2,797,500 U.S. Treasury Notes, 0.250% due 6-15-23 (valued at \$2,804,017)	2,749,000	2,749,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$2,749,000)</b>		<b>\$ 2,749,000</b>
<b>Total Investments (Short Term Government Income Trust) (Cost \$192,925,740) – 100.4%</b>		<b>\$ 198,300,363</b>
<b>Other assets and liabilities, net – (0.4%)</b>		<b>(710,285)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 197,590,078</b>

## Short Term Government Income Trust (continued)

### Security Abbreviations and Legend

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

## Strategic Income Opportunities Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 9.2%</b>		
<b>U.S. Government – 9.2%</b>		
U.S. Treasury Bonds		
2.750%, 11/15/2042	\$ 5,385,000	\$ 6,895,745
3.000%, 02/15/2049	6,200,000	8,554,789
3.125%, 02/15/2043	1,127,600	1,528,427
4.375%, 02/15/2038	3,920,000	6,091,466
U.S. Treasury Inflation Protected Securities		
0.125%, 01/15/2030	2,192,850	2,370,881
U.S. Treasury Notes		
1.125%, 02/28/2022	1,425,000	1,447,655
2.000%, 11/15/2026	2,990,000	3,283,277
2.375%, 02/29/2024 to 05/15/2029	6,510,000	7,393,176
2.625%, 02/15/2029	1,910,000	2,237,983
		39,803,399
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$32,536,757)</b>		<b>\$ 39,803,399</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS – 16.4%</b>		
<b>Australia – 0.1%</b>		
New South Wales Treasury Corp. 4.000%, 04/08/2021	AUD 650,000	461,385
<b>Austria – 0.3%</b>		
Republic of Austria 0.500%, 02/20/2029 (A)	EUR 1,105,000	1,324,758
<b>Canada – 2.2%</b>		
Canada Housing Trust No. 1 2.350%, 06/15/2023 (A)	CAD 1,900,000	1,476,992
Export Development Canada 2.400%, 06/07/2021	AUD 430,000	302,036
Government of Canada 1.500%, 09/01/2024	CAD 220,000	169,813
2.250%, 03/01/2024	2,668,000	2,102,603
Province of Ontario 2.900%, 06/02/2028	1,185,000	984,686
3.450%, 06/02/2045	1,060,000	1,004,611
Province of Quebec 0.200%, 04/07/2025	EUR 875,000	996,324
1.500%, 12/15/2023	GBP 497,000	637,609
3.000%, 09/01/2023	CAD 650,000	514,618
3.750%, 09/01/2024	1,400,000	1,158,248
		9,347,540
<b>Colombia – 0.4%</b>		
Republic of Colombia 4.000%, 02/26/2024	\$ 1,480,000	1,552,150
<b>Finland – 0.3%</b>		
Republic of Finland 0.500%, 09/15/2028 (A)	EUR 1,060,000	1,271,209
<b>Greece – 0.4%</b>		
Republic of Greece 1.500%, 06/18/2030 (A)	705,000	813,318
2.000%, 04/22/2027 (A)	779,000	935,546
		1,748,864

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>			
<b>India – 0.1%</b>			
Republic of India			
6.450%, 10/07/2029	INR	33,000,000	\$ 448,725
<b>Indonesia – 2.5%</b>			
Perusahaan Penerbit SBSN Indonesia III			
4.150%, 03/29/2027 (A)	\$	940,000	1,021,338
Republic of Indonesia			
2.150%, 07/18/2024 (A)	EUR	740,000	854,875
2.625%, 06/14/2023 (A)		850,000	989,733
3.850%, 10/15/2030	\$	660,000	734,327
4.450%, 04/15/2070		685,000	787,539
5.625%, 05/15/2023	IDR	1,500,000,000	103,635
6.125%, 05/15/2028		4,075,000,000	266,387
6.500%, 06/15/2025		9,001,000,000	628,354
6.625%, 05/15/2033		6,431,000,000	409,734
7.500%, 08/15/2032 to 05/15/2038		11,864,000,000	815,561
8.125%, 05/15/2024		3,514,000,000	259,768
8.250%, 05/15/2029		4,891,000,000	364,403
8.375%, 03/15/2024 to 09/15/2026		23,452,000,000	1,754,595
8.750%, 05/15/2031		17,423,000,000	1,322,828
9.000%, 03/15/2029		6,709,000,000	518,746
			10,831,823
<b>Ireland – 0.4%</b>			
Republic of Ireland			
3.400%, 03/18/2024	EUR	1,377,000	1,769,403
<b>Italy – 0.3%</b>			
Republic of Italy			
4.750%, 08/01/2023 (A)		875,000	1,116,891
<b>Japan – 1.1%</b>			
Government of Japan			
0.100%, 12/20/2023	JPY	488,450,000	4,559,569
<b>Malaysia – 1.4%</b>			
Government of Malaysia			
3.733%, 06/15/2028	MYR	1,930,000	476,144
3.828%, 07/05/2034		1,965,000	483,255
3.844%, 04/15/2033		4,313,000	1,058,310
3.882%, 03/14/2025		2,835,000	701,248
3.899%, 11/16/2027		3,370,000	842,424
4.059%, 09/30/2024		3,895,000	967,955
4.160%, 07/15/2021		7,083,000	1,689,044
			6,218,380
<b>Mexico – 0.2%</b>			
Government of Mexico			
7.750%, 05/29/2031	MXN	20,710,000	1,018,223
<b>Norway – 1.0%</b>			
Government of Norway			
2.000%, 05/24/2023 (A)	NOK	17,125,000	1,869,616
3.750%, 05/25/2021 (A)		24,530,000	2,631,243
			4,500,859
<b>Philippines – 0.6%</b>			
Republic of Philippines			
6.250%, 01/14/2036	PHP	43,000,000	1,061,178
Republic of the Philippines			
0.875%, 05/17/2027	EUR	1,465,000	1,608,215
			2,669,393
<b>Portugal – 1.7%</b>			
Republic of Portugal			
0.700%, 10/15/2027 (A)		435,000	506,335
2.125%, 10/17/2028 (A)		1,960,000	2,528,054
3.850%, 04/15/2021 (A)		1,915,000	2,226,538
5.125%, 10/15/2024 (A)	\$	1,905,000	2,214,982
			7,475,909

## Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>			
<b>Qatar – 0.4%</b>			
State of Qatar			
4.000%, 03/14/2029 (A)	\$	875,000	\$ 1,006,147
4.400%, 04/16/2050 (A)		290,000	358,933
4.817%, 03/14/2049 (A)		395,000	519,121
			1,884,201
<b>Saudi Arabia – 0.1%</b>			
Kingdom of Saudi Arabia			
2.900%, 10/22/2025 (A)		520,000	551,408
<b>Singapore – 1.0%</b>			
Republic of Singapore			
1.750%, 04/01/2022	SGD	2,290,000	1,684,781
1.875%, 03/01/2050		2,311,000	1,894,586
3.250%, 09/01/2020		715,000	515,657
			4,095,024
<b>Spain – 0.5%</b>			
Kingdom of Spain			
0.250%, 07/30/2024 (A)	EUR	875,000	1,001,415
0.800%, 07/30/2027 (A)		865,000	1,014,885
			2,016,300
<b>Sweden – 0.5%</b>			
Kingdom of Sweden			
0.125%, 04/24/2023 (A)		1,880,000	2,146,854
<b>United Arab Emirates – 0.5%</b>			
Republic of United Arab Emirates			
2.500%, 04/16/2025 (A)	\$	740,000	777,599
3.125%, 04/16/2030 (A)		730,000	802,499
3.875%, 04/16/2050 (A)		475,000	560,856
			2,140,954
<b>United Kingdom – 0.4%</b>			
Government of United Kingdom			
0.500%, 07/22/2022	GBP	920,000	1,153,670
3.750%, 09/07/2020		560,000	698,638
			1,852,308
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost</b>			
<b>\$71,461,658)</b>			<b>\$ 71,002,130</b>
<b>CORPORATE BONDS – 54.2%</b>			
<b>Communication services – 8.7%</b>			
Altice Financing SA			
7.500%, 05/15/2026 (A)	\$	1,785,000	1,874,250
Altice France SA			
7.375%, 05/01/2026 (A)		535,000	558,508
CCO Holdings LLC			
4.500%, 08/15/2030 (A)		820,000	836,810
4.750%, 03/01/2030 (A)		1,115,000	1,140,857
5.125%, 05/01/2027 (A)		1,845,000	1,908,837
5.750%, 02/15/2026 (A)		405,000	418,908
Charter Communications Operating LLC			
5.125%, 07/01/2049		1,790,000	2,066,503
5.750%, 04/01/2048		790,000	983,076
CSC Holdings LLC			
5.375%, 02/01/2028 (A)		1,135,000	1,186,075
5.500%, 05/15/2026 to 04/15/2027 (A)		1,925,000	1,996,533
5.750%, 01/15/2030 (A)		2,120,000	2,214,319
5.875%, 09/15/2022		770,000	804,650
7.500%, 04/01/2028 (A)		1,130,000	1,233,113
10.875%, 10/15/2025 (A)		555,000	596,625
Diamond Sports Group LLC			
5.375%, 08/15/2026 (A)		1,282,000	929,245
6.625%, 08/15/2027 (A)		1,758,000	942,288
DISH DBS Corp.			
5.875%, 07/15/2022		1,260,000	1,281,168

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
GCI LLC		
6.625%, 06/15/2024 (A)	\$ 1,665,000	\$ 1,742,356
LCPR Senior Secured Financing DAC		
6.750%, 10/15/2027 (A)	1,395,000	1,422,900
Lions Gate Capital Holdings LLC		
5.875%, 11/01/2024 (A)	381,000	363,855
6.375%, 02/01/2024 (A)	1,335,000	1,301,625
Live Nation Entertainment, Inc.		
4.750%, 10/15/2027 (A)	710,000	610,749
Match Group, Inc.		
4.125%, 08/01/2030 (A)	705,000	690,237
Netflix, Inc.		
3.625%, 06/15/2025 (A)	1,150,000	1,158,625
5.375%, 11/15/2029 (A)	1,110,000	1,219,157
Sirius XM Radio, Inc.		
4.625%, 05/15/2023 (A)	175,000	175,963
5.375%, 07/15/2026 (A)	565,000	583,498
T-Mobile USA, Inc.		
3.750%, 04/15/2027 (A)	625,000	693,438
4.500%, 02/01/2026	710,000	718,492
6.500%, 01/15/2026	795,000	830,672
Twitter, Inc.		
3.875%, 12/15/2027 (A)	201,000	201,020
Verizon Communications, Inc.		
4.016%, 12/03/2029	920,000	1,099,705
4.329%, 09/21/2028	1,270,000	1,528,858
Virgin Media Finance PLC		
5.000%, 07/15/2030 (A)	720,000	702,972
WMG Acquisition Corp.		
5.500%, 04/15/2026 (A)	1,585,000	1,640,000
		37,655,887
<b>Consumer discretionary – 5.4%</b>		
BMW Finance NV		
1.000%, 11/14/2024	EUR 410,000	471,810
Duke University		
2.682%, 10/01/2044	\$ 1,370,000	1,437,804
Emory University		
1.566%, 09/01/2025	395,000	403,356
ESH Hospitality, Inc.		
5.250%, 05/01/2025 (A)	820,000	793,350
Expedia Group, Inc.		
3.800%, 02/15/2028	1,335,000	1,282,855
5.000%, 02/15/2026	1,035,000	1,065,263
5.950%, 08/15/2020	205,000	205,603
Ford Motor Company		
8.500%, 04/21/2023	910,000	962,325
Ford Motor Credit Company LLC		
2.979%, 08/03/2022	415,000	397,757
3.087%, 01/09/2023	280,000	266,174
3.350%, 11/01/2022	425,000	407,057
4.250%, 09/20/2022	200,000	196,042
General Motors Company		
6.125%, 10/01/2025	645,000	724,854
Graham Holdings Company		
5.750%, 06/01/2026 (A)	865,000	894,522
Hilton Worldwide Finance LLC		
4.625%, 04/01/2025	710,000	694,174
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
5.000%, 06/01/2024 (A)	795,000	809,906
5.250%, 06/01/2026 (A)	1,661,000	1,702,525
Lennar Corp.		
4.500%, 04/30/2024	375,000	389,921
4.750%, 11/29/2027	1,905,000	2,066,925

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Lennar Corp. (continued)		
5.875%, 11/15/2024	\$ 285,000	\$ 311,434
New Red Finance, Inc.		
3.875%, 01/15/2028 (A)	1,425,000	1,382,492
4.250%, 05/15/2024 (A)	1,470,000	1,472,602
5.000%, 10/15/2025 (A)	1,685,000	1,676,575
5.750%, 04/15/2025 (A)	620,000	651,000
University of Notre Dame du Lac		
1.637%, 02/15/2030	535,000	552,497
Yum! Brands, Inc.		
4.750%, 01/15/2030 (A)	2,173,000	2,205,595
		23,424,418
<b>Consumer staples – 2.6%</b>		
JBS Investments II GmbH		
7.000%, 01/15/2026 (A)	960,000	1,007,520
Kraft Heinz Foods Company		
3.000%, 06/01/2026	1,430,000	1,445,540
3.875%, 05/15/2027 (A)	270,000	282,100
3.950%, 07/15/2025	334,000	356,875
4.250%, 03/01/2031 (A)	575,000	609,521
Molson Coors Beverage Company		
1.250%, 07/15/2024	EUR 465,000	504,836
Natura Cosmetics SA		
5.375%, 02/01/2023 (A)	\$ 210,000	212,363
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (A)	205,000	205,371
Post Holdings, Inc.		
5.000%, 08/15/2026 (A)	1,795,000	1,801,731
5.500%, 12/15/2029 (A)	285,000	294,724
5.625%, 01/15/2028 (A)	1,255,000	1,298,925
5.750%, 03/01/2027 (A)	2,120,000	2,194,200
Walnut Bidco PLC		
6.750%, 08/01/2024 (A)	EUR 500,000	532,360
9.125%, 08/01/2024 (A)	\$ 475,000	479,369
		11,225,435
<b>Energy – 5.4%</b>		
Aker BP ASA		
3.750%, 01/15/2030 (A)	985,000	924,927
4.750%, 06/15/2024 (A)(B)	700,000	704,690
5.875%, 03/31/2025 (A)	155,000	157,534
Enbridge, Inc.		
4.250%, 12/01/2026	1,720,000	1,957,444
Enterprise Products Operating LLC		
3.125%, 07/31/2029	1,510,000	1,615,949
EOG Resources, Inc.		
4.375%, 04/15/2030	425,000	505,911
Indika Energy Capital III Pte, Ltd.		
5.875%, 11/09/2024 (A)(B)	1,025,000	912,515
Kinder Morgan, Inc.		
4.300%, 06/01/2025	450,000	501,666
Medco Oak Tree Pte, Ltd.		
7.375%, 05/14/2026 (A)	1,100,000	1,019,359
Occidental Petroleum Corp.		
2.700%, 08/15/2022	345,000	321,178
2.900%, 08/15/2024	500,000	427,500
3.500%, 06/15/2025	495,000	418,275
3.500%, 08/15/2029 (B)	690,000	506,667
Pertamina Persero PT		
3.650%, 07/30/2029 (A)(B)	295,000	306,786
4.300%, 05/20/2023 (A)	805,000	849,076
Petrobras Global Finance BV		
5.093%, 01/15/2030 (A)	2,425,000	2,415,300
5.750%, 02/01/2029	720,000	740,167
5.999%, 01/27/2028	255,000	267,113
6.900%, 03/19/2049	1,110,000	1,168,275

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Petroleos del Peru SA 5.625%, 06/19/2047 (A)	\$ 697,000	\$ 815,839
Saudi Arabian Oil Company 3.500%, 04/16/2029 (A)	985,000	1,062,328
4.250%, 04/16/2039 (A)	1,140,000	1,267,782
4.375%, 04/16/2049 (A)	675,000	763,178
Suncor Energy, Inc. 3.100%, 05/15/2025	550,000	587,447
The Williams Companies, Inc. 4.300%, 03/04/2024	330,000	358,524
4.500%, 11/15/2023	585,000	640,683
4.550%, 06/24/2024	985,000	1,092,964
TransCanada PipeLines, Ltd. 4.250%, 05/15/2028	445,000	511,894
Valero Energy Corp. 3.400%, 09/15/2026	470,000	514,420
		23,335,391
<b>Financials – 13.3%</b>		
American International Group, Inc. (8.175% to 5-15-38, then 3 month LIBOR + 4.195%) 05/15/2058	1,700,000	2,167,500
Asian Development Bank 5.000%, 03/09/2022	AUD 940,000	697,912
Banco Actinver SA 4.800%, 12/18/2032 (A)	\$ 215,000	155,606
9.500%, 12/18/2032 (A)	MXN 12,100,000	405,360
Bank of America Corp. (1.319% to 6-19-25, then SOFR + 1.150%) 06/19/2026	\$ 1,280,000	1,283,026
Bank of America Corp. (2.884% to 10-22-29, then 3 month LIBOR + 1.190%) 10/22/2030	475,000	513,865
Berkshire Hathaway Finance Corp. 2.375%, 06/19/2039	GBP 610,000	856,873
Berkshire Hathaway, Inc. 0.000%, 03/12/2025	EUR 975,000	1,083,733
BNG Bank NV 0.250%, 06/07/2024	825,000	947,661
Chubb INA Holdings, Inc. 0.300%, 12/15/2024	875,000	971,166
CIT Group, Inc. (5.800% to 6-15-22, then 3 month LIBOR + 3.972%) 06/15/2022 (C)	\$ 185,000	142,335
Citigroup, Inc. 4.125%, 07/25/2028	670,000	757,232
Citigroup, Inc. (1.678% to 5-15-23, then SOFR + 1.667%) 05/15/2024	970,000	988,884
Citigroup, Inc. (3 month BBSW + 1.550%) 1.649%, 05/04/2021 (D)	AUD 1,487,000	1,032,609
Citigroup, Inc. (3 month EURIBOR + 0.500%) 0.111%, 03/21/2023 (D)	EUR 920,000	1,026,781
Credit Agricole SA (7.875% to 1-23-24, then 5 Year U.S. Swap Rate + 4.900%) 01/23/2024 (A)(C)	\$ 200,000	216,772
DB Insurance Company, Ltd. 3.492%, 05/25/2024	KRW 1,000,000,000	873,650
3.865%, 05/25/2027	1,000,000,000	908,411
Deutsche Bank AG (6.000% to 10-30-25, then 5 Year CMT + 4.524%) 10/30/2025 (C)	\$ 1,800,000	1,485,360
European Financial Stability Facility 0.125%, 10/17/2023	EUR 1,315,000	1,509,485
1.875%, 05/23/2023	1,020,000	1,228,019
European Investment Bank 1.500%, 05/12/2022	NOK 9,790,000	1,038,065

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
European Investment Bank (SONIA + 0.350%) 0.413%, 06/29/2023 (D)	GBP 550,000	\$ 683,700
First Horizon Bank 5.750%, 05/01/2030	\$ 1,000,000	1,052,976
GE Capital Funding LLC 4.400%, 05/15/2030 (A)	780,000	811,033
International Bank for Reconstruction & Development 1.900%, 01/16/2025	CAD 1,390,000	1,078,683
2.800%, 01/13/2021	AUD 1,185,000	828,191
3.375%, 01/25/2022	NZD 1,327,000	894,607
3.500%, 01/22/2021	1,130,000	741,603
4.625%, 10/06/2021	1,310,000	889,788
7.450%, 08/20/2021	IDR 6,855,000,000	479,346
JPMorgan Chase & Co. (2.005% to 3-13-25, then SOFR + 1.585%) 03/13/2026	\$ 765,000	791,734
JPMorgan Chase & Co. (2.083% to 4-22-25, then SOFR + 1.850%) 04/22/2026	1,965,000	2,038,750
KfW 2.125%, 08/15/2023	EUR 1,745,000	2,126,529
6.000%, 08/20/2020	AUD 1,610,000	1,119,609
Lloyds Banking Group PLC (7.500% to 9-27-25, then 5 Year U.S. Swap Rate + 4.496%) 09/27/2025 (C)	\$ 769,000	797,991
MGIC Investment Corp. 5.750%, 08/15/2023	580,000	598,850
MSCI, Inc. 3.625%, 09/01/2030 (A)	350,000	348,250
3.875%, 02/15/2031 (A)	685,000	698,700
4.000%, 11/15/2029 (A)	425,000	433,500
4.750%, 08/01/2026 (A)	275,000	284,485
National Bank of Canada 2.150%, 10/07/2022 (A)	690,000	709,202
Nationstar Mortgage Holdings, Inc. 6.000%, 01/15/2027 (A)	1,220,000	1,159,000
Nordea Eiendomskreditt AS (3 month NIBOR + 0.300%) 0.660%, 06/21/2023 (D)	NOK 7,000,000	729,239
Nordea Eiendomskreditt AS (3 month NIBOR + 0.340%) 0.710%, 06/19/2024 (D)	7,000,000	728,490
Nordic Investment Bank 1.375%, 07/15/2020	5,340,000	554,979
1.500%, 01/24/2022	5,000,000	527,710
Popular, Inc. 6.125%, 09/14/2023	\$ 1,625,000	1,641,250
Societe Generale SA (8.000% to 9-29-25, then 5 Year ICE Swap Rate + 5.873%) 09/29/2025 (A)(B)(C)	660,000	735,900
Stifel Financial Corp. 4.000%, 05/15/2030	795,000	841,870
Swiss Insured Brazil Power Finance Sarl 9.850%, 07/16/2032 (A)	BRL 8,690,000	1,805,723
Synovus Financial Corp. (5.750% to 12-15-20, then 3 month LIBOR + 4.182%) 12/15/2025	\$ 1,500,000	1,455,000
The Goldman Sachs Group, Inc. 1.375%, 05/15/2024	EUR 983,000	1,124,038
2.000%, 11/01/2028	395,000	478,950
The Royal Bank of Scotland Group PLC (6.000% to 12-29-25, then 5 Year CMT + 5.620%) 12/29/2025 (C)	\$ 880,000	891,440

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Truist Financial Corp. 3.875%, 03/19/2029	\$ 670,000	\$ 759,873
U.S. Bancorp 0.850%, 06/07/2024	EUR 3,025,000	3,445,818
3.375%, 02/05/2024	\$ 508,000	555,243
U.S. Bank NA 2.800%, 01/27/2025	544,000	590,659
Wells Fargo & Company 3.250%, 04/27/2022	AUD 1,120,000	801,050
Wells Fargo & Company (3 month BBSW + 1.320%) 1.433%, 07/27/2021 (D)	935,000	648,673
Zions Bancorp NA (5.800% to 6-15-23, then 3 month LIBOR + 3.800%) 06/15/2023 (C)	\$ 156,000	142,045
		57,314,782
<b>Health care – 5.5%</b>		
Advocate Health & Hospitals Corp. 2.211%, 06/15/2030	530,000	542,954
Allergan Funding SCS 1.250%, 06/01/2024	EUR 520,000	588,846
2.625%, 11/15/2028	300,000	370,800
Ascension Health 2.532%, 11/15/2029	\$ 595,000	637,991
Banner Health 2.338%, 01/01/2030	680,000	699,344
Bausch Health Companies, Inc. 5.000%, 01/30/2028 (A)	1,595,000	1,501,677
5.250%, 01/30/2030 (A)	2,615,000	2,480,981
5.500%, 11/01/2025 (A)	480,000	490,589
5.875%, 05/15/2023 (A)(B)	118,000	117,705
6.125%, 04/15/2025 (A)	245,000	248,496
6.250%, 02/15/2029 (A)	980,000	984,900
9.000%, 12/15/2025 (A)	510,000	549,377
Becton Dickinson Euro Finance Sarl 1.208%, 06/04/2026	EUR 745,000	839,125
Centene Corp. 3.375%, 02/15/2030	\$ 710,000	716,894
5.250%, 04/01/2025 (A)	285,000	293,465
DH Europe Finance II Sarl 0.450%, 03/18/2028	EUR 1,630,000	1,786,810
HCA, Inc. 3.500%, 09/01/2030	\$ 3,448,000	3,320,213
4.125%, 06/15/2029	1,515,000	1,670,824
5.375%, 02/01/2025	1,725,000	1,847,906
Rede D'or Finance Sarl 4.500%, 01/22/2030 (A)	700,000	617,750
Select Medical Corp. 6.250%, 08/15/2026 (A)	1,785,000	1,804,546
Thermo Fisher Scientific, Inc. 0.500%, 03/01/2028	EUR 650,000	715,531
0.750%, 09/12/2024	282,000	320,748
1.400%, 01/23/2026	468,000	548,620
		23,696,092
<b>Industrials – 4.1%</b>		
Adani Ports & Special Economic Zone, Ltd. 3.950%, 01/19/2022 (A)	\$ 496,000	501,185
AECOM 5.125%, 03/15/2027	1,005,000	1,080,375
5.875%, 10/15/2024	1,140,000	1,231,200
American Airlines Group, Inc. 5.000%, 06/01/2022 (A)	427,000	247,660
BOC Aviation, Ltd. 2.750%, 09/18/2022 (A)	990,000	996,064

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
BOC Aviation, Ltd. (3 month LIBOR + 1.050%) 1.606%, 05/02/2021 (A)(D)	\$ 285,000	\$ 282,347
Cimpres PLC 7.000%, 06/15/2026 (A)	975,000	899,438
CoStar Group, Inc. 2.800%, 07/15/2030 (A)	555,000	567,829
Delta Air Lines 2020-1 Class A Pass Through Trust 2.500%, 06/10/2028	540,000	484,258
Delta Air Lines 2020-1 Class AA Pass Through Trust 2.000%, 06/10/2028	550,000	524,209
Delta Air Lines, Inc. 2.900%, 10/28/2024	540,000	437,948
3.400%, 04/19/2021	620,000	602,943
3.750%, 10/28/2029	410,000	328,000
7.000%, 05/01/2025 (A)	1,160,000	1,197,431
HC2 Holdings, Inc. 11.500%, 12/01/2021 (A)	506,000	481,965
Indian Railway Finance Corp., Ltd. 3.249%, 02/13/2030 (A)	645,000	638,588
Jasa Marga Persero Tbk PT 7.500%, 12/11/2020 (A)	IDR 9,120,000,000	621,460
JSL Europe SA 7.750%, 07/26/2024 (A)	\$ 360,000	354,600
Owens Corning 3.950%, 08/15/2029	530,000	577,588
Pelabuhan Indonesia II PT 4.250%, 05/05/2025 (A)	920,000	968,300
The Boeing Company 5.040%, 05/01/2027	1,035,000	1,141,222
5.150%, 05/01/2030	1,010,000	1,126,842
Uber Technologies, Inc. 8.000%, 11/01/2026 (A)	1,320,000	1,343,760
United Rentals North America, Inc. 4.000%, 07/15/2030	705,000	681,897
4.875%, 01/15/2028	575,000	589,375
		17,906,484
<b>Information technology – 2.3%</b>		
Apple, Inc. 0.875%, 05/24/2025	EUR 865,000	1,015,546
Broadcom Corp. 3.875%, 01/15/2027	\$ 365,000	394,588
Broadcom, Inc. 4.150%, 11/15/2030 (A)	990,000	1,077,164
4.750%, 04/15/2029 (A)	1,122,000	1,273,361
Camelot Finance SA 4.500%, 11/01/2026 (A)	385,000	384,038
Dell International LLC 5.300%, 10/01/2029 (A)	1,310,000	1,450,226
8.350%, 07/15/2046 (A)	1,033,000	1,341,713
Fidelity National Information Services, Inc. 1.000%, 12/03/2028	EUR 425,000	471,512
1.500%, 05/21/2027	820,000	950,589
Fiserv, Inc. 1.125%, 07/01/2027	290,000	329,191
SS&C Technologies, Inc. 5.500%, 09/30/2027 (A)	\$ 1,305,000	1,328,999
		10,016,927
<b>Materials – 2.4%</b>		
Ardagh Packaging Finance PLC 5.250%, 08/15/2027 (A)	380,000	373,016
Ball Corp. 4.000%, 11/15/2023	1,845,000	1,909,575

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Ball Corp. (continued)		
4.875%, 03/15/2026	\$ 1,120,000	\$ 1,217,059
5.250%, 07/01/2025	1,460,000	1,599,707
Berry Global, Inc.		
5.625%, 07/15/2027 (A)	675,000	693,563
Braskem Netherlands Finance BV		
4.500%, 01/10/2028 (A)	350,000	327,583
Crown Americas LLC		
4.500%, 01/15/2023	915,000	933,300
Crown Cork & Seal Company, Inc.		
7.375%, 12/15/2026	1,021,000	1,194,570
Ecolab, Inc.		
1.000%, 01/15/2024	EUR 330,000	381,449
Fibria Overseas Finance, Ltd.		
5.500%, 01/17/2027	\$ 135,000	145,464
Indonesia Asahan Aluminium Persero PT		
4.750%, 05/15/2025 (A)	1,090,000	1,163,451
St. Mary's Cement, Inc.		
5.750%, 01/28/2027 (A)	415,000	442,394
		10,381,131
<b>Real estate – 1.5%</b>		
American Tower Corp.		
1.950%, 05/22/2026	EUR 305,000	363,617
Crown Castle International Corp.		
3.800%, 02/15/2028	\$ 865,000	972,076
Equinix, Inc.		
2.150%, 07/15/2030	771,000	761,617
3.200%, 11/18/2029	555,000	602,441
SBA Communications Corp.		
3.875%, 02/15/2027 (A)	2,090,000	2,079,550
4.875%, 09/01/2024	87,000	89,183
SBA Tower Trust		
2.836%, 01/15/2025 (A)	520,000	536,127
VICI Properties LP		
4.125%, 08/15/2030 (A)	795,000	758,231
4.625%, 12/01/2029 (A)	385,000	375,375
		6,538,217
<b>Utilities – 3.0%</b>		
Adani Green Energy UP, Ltd.		
6.250%, 12/10/2024 (A)	460,000	479,550
DPL, Inc.		
4.125%, 07/01/2025 (A)	1,330,000	1,330,372
Greenko Dutch BV		
5.250%, 07/24/2024 (A)	975,000	963,203
Greenko Solar Mauritius, Ltd.		
5.550%, 01/29/2025 (A)	430,000	423,466
Israel Electric Corp., Ltd.		
5.000%, 11/12/2024 (A)	625,000	700,075
6.875%, 06/21/2023 (A)	390,000	446,116
NextEra Energy Capital Holdings, Inc.		
2.403%, 09/01/2021	1,290,000	1,319,169
NRG Energy, Inc.		
5.250%, 06/15/2029 (A)	816,000	858,669
6.625%, 01/15/2027	1,880,000	1,964,600
Pacific Gas & Electric Company		
2.100%, 08/01/2027	760,000	750,553
Perusahaan Perseroan Persero PT		
4.125%, 05/15/2027 (A)	1,440,000	1,515,600
Southern Gas Networks PLC		
4.875%, 12/21/2020	GBP 80,000	100,795
Vistra Operations Company LLC		
3.550%, 07/15/2024 (A)	\$ 1,050,000	1,083,679
5.000%, 07/31/2027 (A)	305,000	310,109

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Vistra Operations		
Company LLC (continued)		
5.625%, 02/15/2027 (A)	\$ 663,000	\$ 680,888
		12,926,844
<b>TOTAL CORPORATE BONDS (Cost \$234,959,115)</b>		
		\$ 234,421,608
<b>CONVERTIBLE BONDS – 1.7%</b>		
<b>Communication services – 0.5%</b>		
DISH Network Corp.		
3.375%, 08/15/2026	430,000	395,004
GCI Liberty, Inc.		
1.750%, 09/30/2046 (A)	1,150,000	1,607,673
		2,002,677
<b>Consumer discretionary – 0.3%</b>		
Sony Corp.		
0.000%, 09/30/2022	JPY 84,000,000	1,147,860
<b>Industrials – 0.2%</b>		
American Airlines Group, Inc.		
6.500%, 07/01/2025 (B)	\$ 905,000	850,839
<b>Information technology – 0.5%</b>		
Avaya Holdings Corp.		
2.250%, 06/15/2023	1,055,000	862,590
IAC Financeco 2, Inc.		
0.875%, 06/15/2026 (A)	1,155,000	1,418,724
		2,281,314
<b>Utilities – 0.2%</b>		
NRG Energy, Inc.		
2.750%, 06/01/2048	1,020,000	1,031,233
<b>TOTAL CONVERTIBLE BONDS (Cost \$6,745,103)</b>		
		\$ 7,313,923
<b>CAPITAL PREFERRED SECURITIES – 1.3%</b>		
<b>Financials – 1.3%</b>		
First Maryland Capital I (3 month LIBOR + 1.000%) 2.219%, 01/15/2027 (D)	1,046,000	913,017
First Maryland Capital II (3 month LIBOR + 0.850%) 1.537%, 02/01/2027 (D)	1,220,000	1,045,376
USB Capital IX (Greater of 3 month LIBOR + 1.020% or 3.500%) 3.500%, 08/03/2020 (C)(D)	2,081,000	1,718,906
Wachovia Capital Trust III (Greater of 3 month LIBOR + 0.930% or 5.570%) 5.570%, 08/03/2020 (C)(D)	1,942,000	1,928,018
		5,605,317
<b>TOTAL CAPITAL PREFERRED SECURITIES (Cost \$5,787,899)</b>		
		\$ 5,605,317
<b>MUNICIPAL BONDS – 2.3%</b>		
Arizona Department of Transportation State Highway Fund Revenue 2.058%, 07/01/2025	465,000	490,329
Bay Area Toll Authority (California) 2.574%, 04/01/2031	530,000	570,179
City of New York 3.700%, 08/01/2029	345,000	372,559
City of Sacramento Water Revenue (California) 2.647%, 09/01/2033	195,000	204,417
Commonwealth of Massachusetts 2.514%, 07/01/2041 (E)	695,000	697,599

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
County of Miami-Dade Aviation Revenue (Florida) 2.599%, 10/01/2031	\$ 260,000	\$ 255,143
Great Lakes Water Authority Water Supply System Revenue (Michigan) 2.187%, 07/01/2027	340,000	357,054
New York City Transitional Finance Authority Future Tax Secured Revenue 5.008%, 08/01/2027	110,000	135,507
Port of Morrow (Oregon) 2.543%, 09/01/2040	990,000	990,366
Richland County School District No. 1 (South Carolina) 1.780%, 03/01/2028	715,000	733,940
1.870%, 03/01/2029	460,000	472,567
San Dieguito Union High School District (California) 2.032%, 08/01/2028	305,000	317,523
Scottsdale Municipal Property Corp. (Arizona) 2.900%, 07/01/2039	310,000	314,675
State of California 2.500%, 10/01/2029	70,000	76,152
Texas Transportation Commission 2.562%, 04/01/2042 (E)	605,000	614,154
Texas Transportation Commission State Highway Fund 4.000%, 10/01/2033 (E)	515,000	638,924
University of Michigan 2.437%, 04/01/2040	670,000	691,252
University of Texas 2.439%, 08/15/2049	715,000	703,960
Virginia Public Building Authority 5.900%, 08/01/2030	475,000	611,301
West Contra Costa Unified School District (California) 2.392%, 08/01/2029	245,000	254,347
2.422%, 08/01/2030	345,000	358,976
<b>TOTAL MUNICIPAL BONDS (Cost \$9,695,934)</b>		<b>\$ 9,860,924</b>
<b>TERM LOANS (F) – 0.0%</b>		
<b>Consumer discretionary – 0.0%</b>		
American Tire Distributors, Inc., PIK, Exit FILO Term Loan (3 month LIBOR + 6.000%) 7.000%, 09/01/2023	33,103	30,068
<b>TOTAL TERM LOANS (Cost \$35,949)</b>		<b>\$ 30,068</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 2.5%</b>		
<b>Commercial and residential – 2.5%</b>		
Arroyo Mortgage Trust Series 2019-1, Class A1, 3.805%, 01/25/2049 (A)(G)	866,392	882,945
Series 2019-2, Class A1, 3.347%, 04/25/2049 (A)(G)	1,281,206	1,311,363
Series 2019-3, Class A1, 2.962%, 10/25/2048 (A)(G)	740,963	757,082
BX Commercial Mortgage Trust Series 2018-BIOA, Class E (1 month LIBOR + 1.951%), 2.136%, 03/15/2037 (A)(D)	1,040,000	950,403
Series 2019-XL, Class A (1 month LIBOR + 0.920%), 1.105%, 10/15/2036 (A)(D)	1,633,735	1,624,054

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
BX Commercial Mortgage Trust (continued) Series 2020-BXLP, Class A (1 month LIBOR + 0.800%), 0.985%, 12/15/2036 (A)(D)	\$ 690,000	\$ 684,535
CSMC Trust Series 2019-NQM1, Class A1 2.656%, 10/25/2059 (A)	608,892	620,405
DBGS Mortgage Trust Series 2018-BIOD, Class B (1 month LIBOR + 0.888%) 1.073%, 05/15/2035 (A)(D)	863,169	836,211
GS Mortgage Securities Trust Series 2018-TWR, Class A (1 month LIBOR + 0.900%) 1.085%, 07/15/2031 (A)(D)	895,000	862,341
HarborView Mortgage Loan Trust Series 2005-9, Class 2A1A (1 month LIBOR + 0.340%), 0.530%, 06/20/2035 (D)	228,291	227,742
Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (A)	5,338,174	80,709
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	5,767,327	74,723
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (A)	5,135,750	69,212
Morgan Stanley Mortgage Loan Trust Series 2004-9, Class 1A 5.375%, 11/25/2034 (G)	117,567	126,173
One Bryant Park Trust Series 2019-OBP, Class A 2.516%, 09/15/2054 (A)	1,175,000	1,243,121
WaMu Mortgage Pass Through Certificates Series 2005-AR2, Class 2A2B (1 month LIBOR + 0.380%), 0.565%, 01/25/2045 (D)	177,108	167,338
Series 2005-AR8, Class 2AB2 (1 month LIBOR + 0.840%), 1.025%, 07/25/2045 (D)	218,269	197,749
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$10,807,480)</b>		<b>\$ 11,038,659</b>
<b>ASSET BACKED SECURITIES – 2.9%</b>		
AMSR Trust Series 2019-SFR1, Class A 2.774%, 01/19/2039 (A)	1,665,000	1,770,984

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Bravo Mortgage Asset Trust		
Series 2006-1A, Class A2 (1 month LIBOR + 0.240%)		
0.425%, 07/25/2036 (A)(D)	\$ 256,113	\$ 254,464
DB Master Finance LLC		
Series 2017-1A, Class A2I		
3.629%, 11/20/2047 (A)	508,300	524,850
Series 2019-1A, Class A2I		
3.787%, 05/20/2049 (A)	893,250	921,825
Series 2019-1A, Class A2II		
4.021%, 05/20/2049 (A)	481,363	506,523
Discover Card Execution Note Trust		
Series 2019-A1, Class A1		
3.040%, 07/15/2024	295,000	307,035
Domino's Pizza Master Issuer LLC		
Series 2015-1A, Class A2II		
4.474%, 10/25/2045 (A)	871,063	942,211
Series 2017-1A, Class A2I (3 month LIBOR + 1.250%)		
2.241%, 07/25/2047 (A)(D)	1,174,875	1,164,548
Driven Brands Funding LLC		
Series 2015-1A, Class A2		
5.216%, 07/20/2045 (A)	555,810	577,153
GSAA Home Equity Trust		
Series 2005-MTR1, Class A4 (1 month LIBOR + 0.370%)		
0.555%, 10/25/2035 (D)	123,727	120,543
Home Partners of America Trust		
Series 2018-1, Class D (1 month LIBOR + 1.450%)		
1.644%, 07/17/2037 (A)(D)	590,000	571,523
Home Partners of America Trust		
Series 2019-1, Class B		
3.157%, 09/17/2039 (A)	408,440	420,104
Jack In The Box Funding LLC		
Series 2019-1A, Class A2II		
4.476%, 08/25/2049 (A)	592,025	616,032
Mill City Mortgage Loan Trust		
Series 2018-3, Class A1		
3.500%, 08/25/2058 (A)(G)	1,436,438	1,517,131
MVW Owner Trust		
Series 2018-1A, Class A		
3.450%, 01/21/2036 (A)	384,309	392,777
Structured Asset Investment Loan Trust		
Series 2005-2, Class M2 (1 month LIBOR + 0.735%)		
0.920%, 03/25/2035 (D)	369,324	365,683
Taco Bell Funding LLC		
Series 2016-1A, Class A23		
4.970%, 05/25/2046 (A)	1,513,200	1,601,223
<b>TOTAL ASSET BACKED SECURITIES (Cost \$12,072,727)</b>		<b>\$ 12,574,609</b>
<b>COMMON STOCKS – 1.6%</b>		
<b>Communication services – 0.0%</b>		
Vertis Holdings, Inc. (H)(I)	8,371	0
<b>Financials – 0.9%</b>		
Deutsche Bank AG (I)	180,355	1,716,980
JPMorgan Chase & Co.	13,460	1,266,048
U.S. Bancorp	23,237	855,586
		3,838,614
<b>Industrials – 0.5%</b>		
HC2 Holdings, Inc. (B)(I)	88,710	296,291
The Boeing Company	9,863	1,807,888
		2,104,179

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Real estate – 0.2%</b>		
Americold Realty Trust	27,395	\$ 994,439
<b>TOTAL COMMON STOCKS (Cost \$9,041,442)</b>		<b>\$ 6,937,232</b>
<b>PREFERRED SECURITIES – 4.7%</b>		
<b>Financials – 1.0%</b>		
2020 Cash Mandatory Exchangeable Trust, 5.250% (A)	475	484,524
First Horizon Bank (Greater of 3 month LIBOR + 0.850% or 3.750%), 3.750% (A)(D)	2,315	1,539,475
U.S. Bancorp (Greater of 3 month LIBOR + 1.020% or 3.500%), 3.500% (D)	1,304	1,025,270
Valley National Bancorp (5.500% to 9-30-22, then 3 month LIBOR + 3.578%)	22,825	499,639
Wells Fargo & Company (5.850% to 9-15-23, then 3 month LIBOR + 3.090%)	27,605	683,500
Zions Bancorp NA (6.950% to 9-15-23, then 3 month LIBOR + 3.890%)	2,825	73,083
		4,305,491
<b>Health care – 0.3%</b>		
Becton, Dickinson and Company, 6.000%	10,850	577,220
Danaher Corp., 5.000%	680	730,068
		1,307,288
<b>Industrials – 0.5%</b>		
Fortive Corp., 5.000%	2,450	2,116,800
<b>Information technology – 0.4%</b>		
Broadcom, Inc., 8.000%	1,340	1,493,229
<b>Utilities – 2.5%</b>		
American Electric Power Company, Inc., 6.125% (B)	32,600	1,578,166
CenterPoint Energy, Inc., 7.000%	14,400	512,064
Dominion Energy, Inc., 7.250%	18,000	1,824,120
DTE Energy Company, 6.250%	30,150	1,275,948
NextEra Energy, Inc., 4.872%	41,250	2,002,275
NextEra Energy, Inc., 5.279%	37,350	1,585,508
South Jersey Industries, Inc., 7.250% (B)	17,400	720,360
The Southern Company, 6.750%	33,300	1,467,198
		10,965,639
<b>TOTAL PREFERRED SECURITIES (Cost \$21,840,456)</b>		<b>\$ 20,188,447</b>
<b>PURCHASED OPTIONS – 0.1%</b>		
<b>Puts – 0.1%</b>		
Over the Counter Option on the GBP vs. USD (Expiration Date: 7-1-20; Strike Price: GBP 1.21; Counterparty: Goldman Sachs Bank USA) (I)(J)	5,990,000	7
Over the Counter Option on the USD vs. CAD (Expiration Date: 11-6-20; Strike Price: \$1.35; Counterparty: Canadian Imperial Bank of Commerce) (I)(J)	12,575,000	162,532
Over the Counter Option on the USD vs. NOK (Expiration Date: 12-22-20; Strike Price: \$9.00; Counterparty: UBS AG) (I)(J)	12,245,000	137,989
		300,528
<b>TOTAL PURCHASED OPTIONS (Cost \$291,546)</b>		<b>\$ 300,528</b>

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS – 2.8%</b>		
<b>Short-term funds – 1.2%</b>		
John Hancock Collateral Trust, 0.2429% (K)(L)	537,658	\$ 5,382,651
<b>Repurchase agreement – 1.6%</b>		
Barclays Tri-Party Repurchase Agreement dated 6-30-20 at 0.060% to be repurchased at \$3,191,005 on 7-1-20, collateralized by \$3,020,200 U.S. Treasury Notes, 1.625% due 10-31-26 (valued at \$3,254,850)		
	\$ 3,191,000	3,191,000
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$3,575,000 on 7-1-20, collateralized by \$3,638,100 U.S. Treasury Notes, 0.250% due 6-15-23 (valued at \$3,646,575)		
	3,575,000	3,575,000
		6,766,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$12,148,675)</b>		<b>\$ 12,148,651</b>
<b>Total Investments (Strategic Income Opportunities Trust) (Cost \$427,424,741) – 99.7%</b>		<b>\$ 431,225,495</b>
<b>Other assets and liabilities, net – 0.3%</b>		<b>1,421,969</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 432,647,464</b>

### Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
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

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
Euro-BTP Italian Government Bond Futures	15	Long	Sep 2020	\$2,413,538	\$2,424,737	\$11,199
10-Year U.S. Treasury Note Futures	262	Short	Sep 2020	(36,386,954)	(36,463,031)	(76,077)
German Euro BUND Futures	11	Short	Sep 2020	(2,182,666)	(2,181,522)	1,144
U.S. Treasury Long Bond Futures	158	Short	Sep 2020	(27,919,782)	(28,212,860)	(293,078)
						<b>\$(356,812)</b>

<sup>^</sup> Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

### FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
CAD 8,920,864	EUR 5,787,500	SSB	9/16/2020	\$58,932	—
CAD 11,964,993	USD 8,796,250	JPM	9/16/2020	18,443	—
CAD 7,996,341	USD 5,882,500	MSCS	9/16/2020	8,459	—
CAD 9,886,404	USD 7,271,875	RBC	9/16/2020	11,507	—

## Strategic Income Opportunities Trust (continued)

### Security Abbreviations and Legend

BBSW	Bank Bill Swap Rate
CMT	Constant Maturity Treasury
EURIBOR	Euro Interbank Offered Rate
ICE	Intercontinental Exchange
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
NIBOR	Norwegian Interbank Offered Rate
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
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 \$165,674,260 or 38.3% of the fund's net assets as of 6-30-20.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(D)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(E)	Security purchased or sold on a when-issued or delayed delivery basis.
(F)	Term loans are variable rate obligations. 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)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(I)	Non-income producing security.
(J)	For this type of option, notional amounts are equivalent to number of contracts.
(K)	The rate shown is the annualized seven-day yield as of 6-30-20.
(L)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (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
CAD	1,993,983	USD	1,456,875	SSB	9/16/2020	\$12,106	—
EUR	5,787,500	CAD	8,839,509	JPM	9/16/2020	1,003	—
EUR	1,471,250	GBP	1,314,891	SCB	9/16/2020	25,710	—
EUR	1,462,500	GBP	1,314,252	SSB	9/16/2020	16,656	—
EUR	42,661	USD	47,986	CITI	9/16/2020	23	—
EUR	4,223,034	USD	4,760,415	GSI	9/16/2020	—	\$(7,902)
EUR	4,243,916	USD	4,772,934	HUS	9/16/2020	3,080	—
EUR	10,066,722	USD	11,306,636	JPM	9/16/2020	22,239	—
EUR	4,216,722	USD	4,760,806	SSB	9/16/2020	—	(15,396)
GBP	2,647,049	EUR	2,933,750	HUS	9/16/2020	—	(20,170)
NOK	15,514,503	EUR	1,470,000	HUS	9/16/2020	—	(41,999)
NOK	13,951,668	USD	1,455,000	MSCS	9/16/2020	—	(5,106)
NOK	13,759,829	USD	1,455,000	SSB	9/16/2020	—	(25,043)
SEK	15,328,310	EUR	1,470,000	JPM	9/16/2020	—	(7,799)
SGD	2,529,825	USD	1,812,435	GSI	9/16/2020	3,270	—
USD	4,096,152	AUD	5,910,838	RBC	9/16/2020	16,021	—
USD	1,989,362	BRL	9,789,253	CITI	9/16/2020	195,090	—
USD	5,882,500	CAD	7,953,110	CIBC	9/16/2020	23,388	—
USD	2,907,500	CAD	3,932,059	CITI	9/16/2020	10,725	—
USD	5,882,500	CAD	7,976,199	JPM	9/16/2020	6,380	—
USD	2,907,500	CAD	3,957,762	RBC	9/16/2020	—	(8,210)
USD	5,691,342	EUR	5,039,511	CITI	9/16/2020	19,984	—
USD	4,774,675	EUR	4,200,471	GSI	9/16/2020	47,554	—
USD	4,799,753	EUR	4,229,022	JPM	9/16/2020	40,503	—
USD	14,537,473	EUR	12,811,074	MSCS	9/16/2020	120,163	—
USD	2,397,773	EUR	2,114,511	SSB	9/16/2020	18,148	—
USD	1,698,625	GBP	1,334,406	SSB	9/16/2020	44,430	—
USD	1,427,957	JPY	153,637,561	SSB	9/16/2020	3,621	—
USD	1,484,406	MXN	32,702,128	RBC	9/17/2020	75,925	—
USD	1,649,024	NZD	2,542,581	ANZ	9/16/2020	8,407	—
USD	13,640,356	SGD	18,933,155	CITI	9/16/2020	51,655	—
						<b>\$863,422</b>	<b>\$(131,625)</b>

### Derivatives Currency Abbreviations

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

### Derivatives Abbreviations

ANZ	Australia and New Zealand Banking Group Limited
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

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

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 63.6%</b>		
<b>U.S. Government – 36.6%</b>		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 3,000,000	\$ 3,433,828
2.250%, 08/15/2049	2,000,000	2,404,063
2.750%, 08/15/2047	3,000,000	3,917,930
2.875%, 05/15/2049	3,500,000	4,732,383
3.000%, 02/15/2047 to 02/15/2049	28,635,000	39,113,442
4.250%, 05/15/2039 to 11/15/2040	4,610,000	7,133,954
4.375%, 05/15/2041	1,830,000	2,909,771
4.625%, 02/15/2040	5,000,000	8,106,836
4.750%, 02/15/2041	2,000,000	3,317,891
7.875%, 02/15/2021	3,400,000	3,562,828
8.125%, 08/15/2021	1,400,000	1,525,672
8.750%, 08/15/2020	5,750,000	5,810,864
U.S. Treasury Notes		
0.625%, 03/31/2027	6,000,000	6,060,938
1.250%, 08/31/2024	5,000,000	5,209,961
1.375%, 10/31/2020 to 08/31/2026	35,500,000	35,910,911
1.500%, 01/31/2027	5,000,000	5,338,086
1.625%, 07/31/2020 (A)	16,500,000	16,519,768
1.625%, 08/15/2029	8,000,000	8,727,500
1.750%, 07/31/2021 to 12/31/2024	13,000,000	13,515,899
2.000%, 11/15/2021 to 02/15/2022	29,400,000	30,158,821
2.125%, 05/31/2026	3,000,000	3,303,867
2.250%, 02/15/2021 to 11/15/2027	24,595,000	27,246,814
2.375%, 05/15/2029	5,000,000	5,769,922
2.625%, 02/28/2023	3,000,000	3,195,234
2.750%, 04/30/2023	3,500,000	3,753,887
2.875%, 11/30/2023 to 05/15/2028	9,300,000	10,751,875
3.000%, 10/31/2025	2,000,000	2,281,875
3.125%, 05/15/2021	13,100,000	13,436,711
		277,151,531
<b>U.S. Government Agency – 27.0%</b>		
Federal Home Loan Bank		
5.500%, 07/15/2036	1,690,000	2,640,780
Federal Home Loan Mortgage Corp.		
2.000%, 07/01/2035	1,400,000	1,448,108
2.375%, 01/13/2022	1,500,000	1,549,841
2.500%, 04/01/2031	1,486,690	1,560,327
2.750%, 06/19/2023	2,000,000	2,147,667
3.000%, 07/01/2032 to 08/01/2046	7,090,249	7,552,469
3.500%, 12/01/2025 to 06/01/2048	7,879,325	8,408,381
4.000%, 02/01/2024 to 09/01/2047	3,397,028	3,645,580
4.100%, (12 month LIBOR + 2.100%), 02/01/2037 (B)	60,234	63,416
4.246%, (12 month LIBOR + 1.860%), 08/01/2037 (B)	436,384	459,436
4.500%, 05/01/2024 to 11/01/2048	5,596,884	6,063,475
5.000%, 06/01/2023 to 09/01/2039	311,957	357,817
5.500%, 02/01/2023 to 01/01/2039	517,267	601,695
6.000%, 10/01/2036 to 10/01/2038	248,116	296,679
6.250%, 07/15/2032	450,000	706,841
6.500%, 01/01/2021 to 08/01/2038	50,162	59,587
6.750%, 09/15/2029	1,200,000	1,808,815
7.000%, 04/01/2029 to 10/01/2038	64,430	76,812
7.500%, 09/01/2030 to 03/01/2032	6,714	7,942
8.000%, 02/01/2030	893	1,037
Federal National Mortgage Association		
2.125%, 04/24/2026	2,000,000	2,179,558
2.500%, TBA (C)	4,000,000	4,186,562
2.500%, 05/01/2028 to 06/01/2050	9,146,829	9,567,661
2.625%, 09/06/2024	1,000,000	1,094,859
2.887%, (6 month LIBOR + 1.410%), 07/01/2034 (B)	121,656	124,483
3.000%, TBA (C)	16,400,000	17,265,484

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
3.000%, 01/01/2027 to 12/01/2049	\$ 18,644,297	\$ 19,835,327
3.229%, (12 month LIBOR + 1.580%), 09/01/2037 (B)	70,967	74,326
3.267%, (1 Year CMT + 2.180%), 05/01/2036 (B)	62,627	65,935
3.353%, (12 month LIBOR + 1.350%), 01/01/2035 (B)	208,441	216,646
3.500%, TBA (C)	8,000,000	8,412,500
3.500%, 12/01/2025 to 10/01/2049	21,621,461	23,119,210
3.575%, (12 month LIBOR + 1.770%), 04/01/2037 (B)	126,414	133,092
4.000%, 08/01/2020 to 07/01/2049	17,332,718	18,594,679
4.175%, (12 month LIBOR + 1.920%), 10/01/2037 (B)	27,186	28,388
4.500%, 12/01/2020 to 09/01/2048	4,011,847	4,389,844
5.000%, 07/01/2020 to 07/01/2039	1,123,933	1,283,350
5.500%, 08/01/2021 to 11/01/2038	645,985	747,866
6.000%, 01/01/2021 to 08/01/2038	437,117	510,237
6.500%, 03/01/2022 to 12/01/2037	133,128	157,138
7.000%, 02/01/2031 to 10/01/2038	46,973	55,879
7.125%, 01/15/2030	209,000	324,033
7.250%, 05/15/2030	1,450,000	2,300,099
7.500%, 09/01/2030 to 08/01/2031	17,601	20,706
8.000%, 08/01/2030 to 09/01/2031	4,587	5,362
8.500%, 09/01/2030	529	618
Government National		
Mortgage Association		
3.000%, TBA (C)	5,000,000	5,271,520
3.000%, 08/15/2043 to 09/20/2047	11,978,050	12,725,237
3.500%, TBA (C)	2,800,000	2,940,920
3.500%, 04/15/2042 to 04/20/2050	13,868,215	14,864,246
4.000%, 11/15/2026 to 08/20/2048	8,562,926	9,229,656
4.500%, 06/15/2023 to 10/20/2048	2,459,173	2,685,401
5.000%, 10/15/2023 to 07/20/2040	1,033,763	1,174,124
5.500%, 08/15/2023 to 09/20/2039	367,301	424,885
6.000%, 07/15/2029 to 10/15/2038	271,020	318,768
6.500%, 05/15/2028 to 12/15/2038	186,852	220,056
7.000%, 08/15/2029 to 05/15/2032	30,967	35,614
7.500%, 09/15/2030 to 01/15/2031	6,690	7,829
8.000%, 04/15/2031	7,069	8,311
Tennessee Valley Authority		
3.875%, 02/15/2021	700,000	715,900
		204,773,014
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$444,122,616)</b>		
	\$	481,924,545
<b>FOREIGN GOVERNMENT OBLIGATIONS – 1.3%</b>		
<b>Brazil – 0.2%</b>		
Federative Republic of Brazil		
4.250%, 01/07/2025 (A)	1,612,000	1,700,660
<b>Canada – 0.2%</b>		
Province of British Columbia		
6.500%, 01/15/2026 (A)	490,000	637,479
Province of Quebec		
7.125%, 02/09/2024	150,000	183,992
7.500%, 07/15/2023	410,000	493,637
		1,315,108
<b>Chile – 0.1%</b>		
Republic of Chile		
3.875%, 08/05/2020	510,000	510,750

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Colombia – 0.1%</b>		
Republic of Colombia 4.375%, 07/12/2021	\$ 550,000	\$ 563,063
<b>Israel – 0.1%</b>		
Government of Israel 5.500%, 09/18/2023	455,000	527,958
<b>Italy – 0.0%</b>		
Republic of Italy 6.875%, 09/27/2023	300,000	347,047
<b>Japan – 0.1%</b>		
Japan Bank for International Cooperation 2.500%, 05/23/2024	800,000	857,163
<b>Mexico – 0.1%</b>		
Government of Mexico 6.050%, 01/11/2040	930,000	1,132,275
<b>Panama – 0.1%</b>		
Republic of Panama 6.700%, 01/26/2036	370,000	532,341
<b>Peru – 0.1%</b>		
Republic of Peru 6.550%, 03/14/2037	250,000	380,315
<b>Philippines – 0.1%</b>		
Republic of Philippines 4.000%, 01/15/2021	1,000,000	1,013,640
<b>Turkey – 0.1%</b>		
Republic of Turkey 6.000%, 01/14/2041 6.250%, 09/26/2022	400,000 400,000	344,988 405,170
		750,158
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$9,289,669)</b>		<b>\$ 9,630,478</b>
<b>CORPORATE BONDS – 26.3%</b>		
<b>Communication services – 2.6%</b>		
Alphabet, Inc. 3.625%, 05/19/2021 (A)	320,000	329,223
America Movil SAB de CV 3.125%, 07/16/2022	500,000	517,230
AT&T, Inc. 3.000%, 02/15/2022 4.125%, 02/17/2026 4.300%, 12/15/2042 4.500%, 03/09/2048 4.750%, 05/15/2046 4.850%, 07/15/2045 5.150%, 03/15/2042 6.375%, 03/01/2041 7.570%, 02/01/2024 7.625%, 04/15/2031	500,000 575,000 20,000 500,000 900,000 500,000 50,000 360,000 240,000 285,000	520,631 655,271 22,397 586,725 1,065,784 593,931 62,389 509,898 291,668 419,634
Baidu, Inc. 4.125%, 06/30/2025	250,000	274,065
British Telecommunications PLC 9.625%, 12/15/2030	190,000	310,689
Charter Communications Operating LLC 2.800%, 04/01/2031 5.050%, 03/30/2029 5.375%, 05/01/2047	600,000 400,000 500,000	607,938 471,836 590,198
Comcast Corp. 2.350%, 01/15/2027 3.375%, 02/15/2025 3.999%, 11/01/2049 6.500%, 11/15/2035	455,000 600,000 500,000 255,000	486,162 670,339 603,557 387,742

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Deutsche Telekom International Finance BV 8.750%, 06/15/2030	\$ 146,000	\$ 227,404
Discovery Communications LLC 4.125%, 05/15/2029	900,000	1,027,386
5.300%, 05/15/2049	400,000	487,907
Fox Corp. 3.500%, 04/08/2030 (A)	600,000	669,858
Grupo Televisa SAB 6.625%, 01/15/2040	220,000	284,629
TCI Communications, Inc. 7.125%, 02/15/2028	110,000	153,230
Telefonica Emisiones SA 7.045%, 06/20/2036	230,000	334,296
Telefonica Europe BV 8.250%, 09/15/2030	350,000	538,811
Time Warner Cable LLC 4.125%, 02/15/2021	60,000	60,688
Time Warner Entertainment Company LP 8.375%, 07/15/2033	525,000	790,516
T-Mobile USA, Inc. 3.875%, 04/15/2030 (D) 4.500%, 04/15/2050 (D)	600,000 700,000	668,742 824,565
TWDC Enterprises 18 Corp. 3.150%, 09/17/2025 4.125%, 06/01/2044	500,000 500,000	552,366 603,509
Verizon Communications, Inc. 4.272%, 01/15/2036 4.522%, 09/15/2048	458,000 760,000	567,025 1,004,313
Vodafone Group PLC 4.375%, 05/30/2028 5.250%, 05/30/2048	400,000 300,000	475,629 394,731
		19,642,912
<b>Consumer discretionary – 1.9%</b>		
Amazon.com, Inc. 4.050%, 08/22/2047	600,000	782,329
American Honda Finance Corp. 2.450%, 09/24/2020	470,000	472,016
AutoZone, Inc. 3.250%, 04/15/2025	1,000,000	1,090,185
Brinker International, Inc. 3.875%, 05/15/2023	250,000	231,250
eBay, Inc. 3.250%, 10/15/2020	250,000	250,382
Ford Motor Credit Company LLC 3.096%, 05/04/2023 3.336%, 03/18/2021	280,000 1,000,000	265,356 989,710
General Motors Financial Company, Inc. 4.250%, 05/15/2023 (A) 5.250%, 03/01/2026	280,000 650,000	292,377 708,392
Hyatt Hotels Corp. 3.375%, 07/15/2023	250,000	252,205
Johnson Controls, Inc. 5.700%, 03/01/2041	150,000	183,402
Lowe's Companies, Inc. 3.375%, 09/15/2025	460,000	515,259
McDonald's Corp. 3.300%, 07/01/2025 3.625%, 05/20/2021	1,000,000 250,000	1,110,936 257,135
NIKE, Inc. 2.400%, 03/27/2025	1,000,000	1,075,450
O'Reilly Automotive, Inc. 4.875%, 01/14/2021	300,000	303,299
Starbucks Corp. 3.550%, 08/15/2029	300,000	342,037

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Target Corp.		
3.900%, 11/15/2047 (A)	\$ 500,000	\$ 635,769
The Home Depot, Inc.		
2.625%, 06/01/2022	400,000	417,541
2.700%, 04/15/2030	700,000	768,481
3.350%, 09/15/2025	752,000	846,709
4.250%, 04/01/2046	390,000	494,686
5.875%, 12/16/2036	280,000	417,797
The TJX Companies, Inc.		
3.875%, 04/15/2030	600,000	704,947
4.500%, 04/15/2050	600,000	767,171
Toyota Motor Credit Corp.		
3.400%, 09/15/2021	320,000	330,899
Whirlpool Corp.		
5.150%, 03/01/2043	300,000	341,369
		14,847,089
<b>Consumer staples – 1.7%</b>		
Altria Group, Inc.		
4.500%, 05/02/2043	500,000	536,715
Anheuser-Busch Companies LLC		
3.650%, 02/01/2026	800,000	898,281
4.900%, 02/01/2046	500,000	611,566
Anheuser-Busch InBev Worldwide, Inc.		
4.750%, 01/23/2029	500,000	604,025
Conagra Brands, Inc.		
9.750%, 03/01/2021	175,000	184,079
Costco Wholesale Corp.		
1.600%, 04/20/2030	500,000	505,151
Diageo Capital PLC		
4.828%, 07/15/2020	95,000	95,152
General Mills, Inc.		
2.875%, 04/15/2030	600,000	652,305
Kimberly-Clark Corp.		
3.200%, 07/30/2046	300,000	338,785
Kraft Heinz Foods Company		
3.000%, 06/01/2026	495,000	500,379
3.950%, 07/15/2025	600,000	641,093
6.875%, 01/26/2039	40,000	49,401
Mondelez International, Inc.		
4.625%, 05/07/2048	300,000	381,617
PepsiCo, Inc.		
2.850%, 02/24/2026	495,000	546,861
4.000%, 03/05/2042	270,000	336,008
5.500%, 01/15/2040	280,000	407,610
Philip Morris International, Inc.		
3.600%, 11/15/2023	250,000	275,519
4.125%, 05/17/2021	320,000	330,410
Reynolds American, Inc.		
3.250%, 11/01/2022 (A)	270,000	277,892
SC Johnson & Son, Inc.		
4.000%, 05/15/2043 (D)	250,000	285,816
Sysco Corp.		
6.600%, 04/01/2050	1,000,000	1,373,724
The Coca-Cola Company		
3.150%, 11/15/2020	560,000	565,674
The Estee Lauder Companies, Inc.		
2.600%, 04/15/2030	600,000	654,318
Tyson Foods, Inc.		
4.350%, 03/01/2029	400,000	469,583
Walmart, Inc.		
3.250%, 07/08/2029	600,000	697,065
4.050%, 06/29/2048	500,000	655,591
		12,874,620

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy – 2.1%</b>		
Anadarko Petroleum Corp.		
6.450%, 09/15/2036	\$ 280,000	\$ 239,655
Apache Corp.		
3.625%, 02/01/2021	92,000	91,090
Baker Hughes LLC		
4.486%, 05/01/2030	500,000	575,480
Boardwalk Pipelines LP		
4.950%, 12/15/2024	400,000	428,319
BP Capital Markets PLC		
2.750%, 05/10/2023 (A)	250,000	262,556
Canadian Natural Resources, Ltd.		
6.250%, 03/15/2038	290,000	345,786
ConocoPhillips Company		
4.950%, 03/15/2026	300,000	359,785
Devon Energy Corp.		
5.000%, 06/15/2045 (A)	885,000	792,653
7.875%, 09/30/2031	170,000	199,472
Enbridge, Inc.		
3.700%, 07/15/2027	400,000	441,281
4.500%, 06/10/2044	400,000	448,473
Energy Transfer Operating LP		
6.125%, 12/15/2045	350,000	363,941
6.500%, 02/01/2042	50,000	53,929
Enterprise Products Operating LLC		
4.850%, 08/15/2042	280,000	321,838
6.875%, 03/01/2033	130,000	172,461
EOG Resources, Inc.		
4.100%, 02/01/2021	300,000	306,363
Exxon Mobil Corp.		
2.397%, 03/06/2022	750,000	772,535
Kinder Morgan Energy Partners LP		
4.300%, 05/01/2024	700,000	764,491
6.375%, 03/01/2041	60,000	72,815
6.500%, 09/01/2039	180,000	226,558
Kinder Morgan, Inc.		
5.550%, 06/01/2045	375,000	455,201
Marathon Oil Corp.		
3.850%, 06/01/2025	500,000	504,021
Noble Holding International, Ltd.		
6.050%, 03/01/2041	50,000	1,375
Occidental Petroleum Corp.		
4.100%, 02/01/2021	300,000	301,200
ONEOK Partners LP		
6.650%, 10/01/2036	268,000	299,861
Ovintiv, Inc.		
6.500%, 08/15/2034	270,000	241,158
Petrobras Global Finance BV		
4.375%, 05/20/2023 (A)	365,000	371,205
5.375%, 01/27/2021	400,000	407,000
Petroleos Mexicanos		
4.875%, 01/18/2024	500,000	480,000
6.625%, 06/15/2035	230,000	187,151
Phillips 66 Partners LP		
3.750%, 03/01/2028	200,000	213,439
Shell International Finance BV		
4.375%, 05/11/2045	1,000,000	1,239,171
6.375%, 12/15/2038	90,000	134,900
Southern Natural Gas Company LLC		
4.400%, 06/15/2021	250,000	255,856
Suncor Energy, Inc.		
5.950%, 05/15/2035	235,000	278,557
Sunoco Logistics Partners Operations LP		
3.450%, 01/15/2023	170,000	175,761
The Williams Companies, Inc.		
5.100%, 09/15/2045	400,000	437,366

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
The Williams Companies, Inc. (continued) 7.875%, 09/01/2021	\$ 190,000	\$ 204,249
Tosco Corp. 8.125%, 02/15/2030	383,000	558,408
Total Capital SA 4.125%, 01/28/2021	40,000	40,860
4.250%, 12/15/2021	60,000	63,382
TransCanada PipeLines, Ltd. 5.850%, 03/15/2036	405,000	529,849
Valaris PLC 4.700%, 03/15/2021	360,000	24,750
Valero Energy Corp. 2.850%, 04/15/2025	600,000	632,842
7.500%, 04/15/2032	270,000	371,556
		15,648,599
<b>Financials – 6.9%</b>		
AEGON Funding Company LLC 5.750%, 12/15/2020	165,000	169,006
American Express Company 2.650%, 12/02/2022	345,000	361,367
American International Group, Inc. 4.125%, 02/15/2024	550,000	613,637
6.250%, 05/01/2036	430,000	579,825
Bank of America Corp. 2.625%, 10/19/2020	400,000	402,718
3.300%, 01/11/2023	800,000	851,904
4.450%, 03/03/2026	700,000	803,743
7.750%, 05/14/2038	480,000	786,654
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	386,000	405,979
Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	1,700,000	1,856,729
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	1,312,000	1,461,095
Bank of America Corp. (3.970% to 3-5-28, then 3 month LIBOR + 1.070%) 03/05/2029	500,000	572,727
Bank of America Corp. (4.443% to 1-20-47, then 3 month LIBOR + 1.990%) 01/20/2048	500,000	647,518
Barclays Bank PLC 1.700%, 05/12/2022	500,000	508,805
Barclays PLC 4.375%, 01/12/2026	500,000	562,605
Berkshire Hathaway Finance Corp. 4.250%, 01/15/2021	60,000	61,243
Berkshire Hathaway, Inc. 3.125%, 03/15/2026	500,000	560,132
Capital One Bank USA NA 3.375%, 02/15/2023	360,000	379,051
Capital One Financial Corp. 3.200%, 02/05/2025	2,000,000	2,140,150
3.300%, 10/30/2024	1,500,000	1,614,476
Chubb INA Holdings, Inc. 3.350%, 05/03/2026	300,000	342,073
Citigroup, Inc. 2.350%, 08/02/2021	500,000	509,629
4.450%, 09/29/2027	500,000	569,798
5.500%, 09/13/2025	400,000	473,936

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Citigroup, Inc. (4.281% to 4-24-47, then 3 month LIBOR + 1.840%) 04/24/2048	\$ 500,000	\$ 618,869
Cooperatieve Rabobank UA 4.500%, 01/11/2021	500,000	511,147
Credit Suisse AG 3.000%, 10/29/2021	750,000	774,744
Credit Suisse Group Funding Guernsey, Ltd. 3.450%, 04/16/2021	575,000	588,633
3.750%, 03/26/2025	250,000	275,543
4.550%, 04/17/2026	800,000	919,888
Discover Financial Services 5.200%, 04/27/2022	120,000	128,097
European Investment Bank 2.875%, 09/15/2020	700,000	703,529
3.250%, 01/29/2024	600,000	662,436
GE Capital International Funding Company 4.418%, 11/15/2035	822,000	834,532
HSBC Holdings PLC 2.950%, 05/25/2021	575,000	587,143
6.500%, 09/15/2037	660,000	894,709
Inter-American Development Bank 1.750%, 09/14/2022	600,000	619,421
1.875%, 03/15/2021	1,100,000	1,111,035
7.000%, 06/15/2025	325,000	424,868
Intercontinental Exchange, Inc. 3.100%, 09/15/2027	400,000	445,127
International Bank for Reconstruction & Development 2.125%, 11/01/2020	1,300,000	1,306,842
JPMorgan Chase & Co. 3.300%, 04/01/2026	700,000	782,413
3.375%, 05/01/2023	500,000	534,921
3.875%, 02/01/2024	1,300,000	1,441,334
4.350%, 08/15/2021	710,000	741,225
6.400%, 05/15/2038	125,000	192,495
JPMorgan Chase & Co. (3.509% to 1-23-28, then 3 month LIBOR + 0.940%) 01/23/2029	500,000	558,403
KeyCorp 5.100%, 03/24/2021	250,000	258,336
KfW 2.125%, 01/17/2023	600,000	628,135
2.625%, 02/28/2024	800,000	866,128
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (D)	500,000	525,663
Lincoln National Corp. 7.000%, 06/15/2040	150,000	214,197
MetLife, Inc. 4.600%, 05/13/2046	500,000	636,005
Morgan Stanley 3.700%, 10/23/2024	950,000	1,053,683
4.100%, 05/22/2023	750,000	810,592
Morgan Stanley (3.622% to 4-1-30, then SOFR + 3.120%) 04/01/2031	1,000,000	1,142,128
Morgan Stanley (3.772% to 1-24-28, then 3 month LIBOR + 1.140%) 01/24/2029	550,000	626,054
Northern Trust Corp. 3.450%, 11/04/2020	300,000	303,165
Raymond James Financial, Inc. 4.950%, 07/15/2046	600,000	725,543

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Reinsurance Group of America, Inc. 5.000%, 06/01/2021	\$ 50,000	\$ 52,047
State Street Corp. 3.100%, 05/15/2023	250,000	268,696
Stifel Financial Corp. 4.250%, 07/18/2024	500,000	532,087
Sumitomo Mitsui Financial Group, Inc. 3.784%, 03/09/2026	550,000	621,982
The Allstate Corp. 3.280%, 12/15/2026	500,000	570,630
The Bank of New York Mellon Corp. 2.450%, 11/27/2020	450,000	453,064
The Bank of Nova Scotia 2.350%, 10/21/2020	400,000	402,599
The Charles Schwab Corp. 3.200%, 01/25/2028	300,000	335,363
The Goldman Sachs Group, Inc. 2.625%, 04/25/2021	600,000	609,558
3.500%, 01/23/2025	750,000	816,492
3.625%, 01/22/2023	500,000	535,525
3.750%, 02/25/2026	500,000	557,650
The Hartford Financial Services Group, Inc. 5.950%, 10/15/2036	170,000	228,244
The Toronto-Dominion Bank 1.800%, 07/13/2021	500,000	507,257
The Travelers Companies, Inc. 4.050%, 03/07/2048	300,000	371,941
Travelers Property Casualty Corp. 7.750%, 04/15/2026	50,000	67,134
Truist Bank 2.850%, 04/01/2021	500,000	507,861
U.S. Bancorp 3.000%, 03/15/2022	600,000	626,060
Wells Fargo & Company 3.450%, 02/13/2023	750,000	796,790
5.375%, 02/07/2035	1,500,000	2,033,575
Westpac Banking Corp. 2.000%, 08/19/2021	600,000	610,546
		52,186,884
<b>Health care – 2.4%</b>		
Abbott Laboratories 2.950%, 03/15/2025 (A)	300,000	330,074
3.750%, 11/30/2026	283,000	329,263
AbbVie, Inc. 2.900%, 11/06/2022	500,000	524,565
3.200%, 05/14/2026	716,000	796,499
3.200%, 11/21/2029 (D)	1,000,000	1,112,099
4.400%, 11/06/2042	260,000	313,466
Aetna, Inc. 3.500%, 11/15/2024	200,000	217,715
Agilent Technologies, Inc. 3.875%, 07/15/2023	250,000	270,104
Allergan Funding SCS 4.750%, 03/15/2045	321,000	363,095
Amgen, Inc. 4.400%, 05/01/2045	260,000	322,575
4.663%, 06/15/2051	159,000	210,859
Anthem, Inc. 4.101%, 03/01/2028	350,000	409,049
4.650%, 08/15/2044	150,000	191,208
Bayer US Finance II LLC 2.850%, 04/15/2025 (D)	300,000	317,369
Becton, Dickinson and Company 3.250%, 11/12/2020	86,000	86,683

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Biogen, Inc. 5.200%, 09/15/2045	\$ 500,000	\$ 656,315
Celgene Corp. 3.875%, 08/15/2025	600,000	666,049
CVS Health Corp. 3.875%, 07/20/2025	650,000	729,949
4.300%, 03/25/2028	500,000	584,546
CVS Pass-Through Trust 8.353%, 07/10/2031 (D)	70,897	91,605
Express Scripts Holding Company 6.125%, 11/15/2041 (A)	330,000	439,817
Gilead Sciences, Inc. 3.650%, 03/01/2026	600,000	686,666
4.500%, 04/01/2021	330,000	336,664
GlaxoSmithKline Capital, Inc. 6.375%, 05/15/2038	210,000	319,374
HCA, Inc. 4.500%, 02/15/2027	500,000	557,399
5.500%, 06/15/2047	400,000	486,942
Humana, Inc. 3.850%, 10/01/2024	350,000	384,307
Johnson & Johnson 5.850%, 07/15/2038	285,000	433,675
Merck & Company, Inc. 2.750%, 02/10/2025	850,000	924,884
Pfizer, Inc. 2.750%, 06/03/2026	713,000	791,816
4.400%, 05/15/2044	264,000	343,064
Quest Diagnostics, Inc. 4.200%, 06/30/2029	500,000	586,066
4.700%, 03/30/2045	500,000	601,920
Stryker Corp. 4.625%, 03/15/2046	350,000	449,202
Thermo Fisher Scientific, Inc. 4.150%, 02/01/2024	350,000	388,139
UnitedHealth Group, Inc. 4.375%, 03/15/2042	50,000	63,886
4.450%, 12/15/2048	300,000	392,625
5.800%, 03/15/2036	300,000	424,014
Zimmer Biomet Holdings, Inc. 3.050%, 01/15/2026	500,000	537,636
3.550%, 04/01/2025	500,000	543,618
		18,214,801
<b>Industrials – 2.6%</b>		
3M Company 3.000%, 08/07/2025	330,000	364,876
AerCap Ireland Capital DAC 4.450%, 04/03/2026	400,000	379,101
Air Lease Corp. 3.625%, 12/01/2027	400,000	392,270
American Airlines 2016-2 Class AA Pass Through Trust 3.200%, 06/15/2028	249,600	235,076
Baker Hughes LLC 3.337%, 12/15/2027	500,000	532,637
Burlington Northern Santa Fe LLC 4.400%, 03/15/2042	50,000	62,595
Canadian Pacific Railway Company 4.450%, 03/15/2023	300,000	325,164
Caterpillar, Inc. 3.400%, 05/15/2024	500,000	549,099
CSX Corp. 3.350%, 11/01/2025 (A)	420,000	471,003
3.800%, 04/15/2050	1,000,000	1,185,742

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Delta Air Lines 2019-1 Class AA Pass Through Trust		
3.204%, 04/25/2024	\$ 200,000	\$ 200,231
DuPont de Nemours, Inc.		
2.169%, 05/01/2023	1,000,000	1,018,750
Emerson Electric Company		
2.625%, 12/01/2021	250,000	257,364
Equifax, Inc.		
3.100%, 05/15/2030	1,200,000	1,275,590
FedEx Corp.		
3.875%, 08/01/2042	420,000	420,668
4.400%, 01/15/2047	350,000	371,011
General Electric Company		
4.500%, 03/11/2044	500,000	499,841
6.750%, 03/15/2032	66,000	80,804
6.875%, 01/10/2039	168,000	206,483
Ingersoll-Rand Global Holding Company, Ltd.		
4.300%, 02/21/2048	600,000	678,693
Kansas City Southern		
2.875%, 11/15/2029 (A)	500,000	527,627
Lockheed Martin Corp.		
3.800%, 03/01/2045	400,000	485,516
Norfolk Southern Corp.		
4.837%, 10/01/2041	240,000	311,374
Northrop Grumman Corp.		
3.250%, 01/15/2028	300,000	335,179
3.500%, 03/15/2021	150,000	153,201
Precision Castparts Corp.		
3.250%, 06/15/2025	500,000	555,548
Raytheon Technologies Corp.		
4.625%, 11/16/2048	500,000	647,437
6.125%, 07/15/2038	225,000	326,411
Snap-on, Inc.		
6.125%, 09/01/2021	310,000	327,877
Southwest Airlines Company		
5.250%, 05/04/2025	600,000	632,928
The Boeing Company		
1.650%, 10/30/2020 (A)	438,000	438,313
2.600%, 10/30/2025	438,000	436,004
5.805%, 05/01/2050	600,000	707,942
8.750%, 09/15/2031	90,000	126,922
Thomson Reuters Corp.		
4.500%, 05/23/2043	250,000	282,603
Union Pacific Corp.		
3.250%, 08/15/2025	500,000	554,420
3.799%, 10/01/2051	313,000	376,163
4.000%, 02/01/2021	280,000	283,289
4.050%, 11/15/2045	500,000	594,072
4.300%, 03/01/2049	300,000	383,757
United Airlines 2016-2 Class AA Pass Through Trust		
2.875%, 10/07/2028	260,354	243,120
United Parcel Service, Inc.		
3.400%, 03/15/2029	400,000	462,733
Verisk Analytics, Inc.		
4.125%, 03/15/2029	600,000	700,890
		19,400,324
<b>Information technology – 2.4%</b>		
Apple, Inc.		
2.400%, 05/03/2023	800,000	845,544
2.450%, 08/04/2026	1,060,000	1,151,687
3.250%, 02/23/2026	500,000	561,420
Applied Materials, Inc.		
3.900%, 10/01/2025	470,000	537,099

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Applied Materials, Inc. (continued)		
5.100%, 10/01/2035	\$ 470,000	\$ 652,517
Automatic Data Processing, Inc.		
3.375%, 09/15/2025	752,000	844,122
Broadcom, Inc.		
4.700%, 04/15/2025 (D)	600,000	675,527
Cisco Systems, Inc.		
5.900%, 02/15/2039	80,000	119,176
Fiserv, Inc.		
2.250%, 06/01/2027	600,000	627,305
HP, Inc.		
3.750%, 12/01/2020	49,000	49,590
IBM Corp.		
3.450%, 02/19/2026	1,115,000	1,256,058
4.000%, 06/20/2042	210,000	253,702
5.600%, 11/30/2039	21,000	29,813
Intel Corp.		
2.700%, 12/15/2022	690,000	729,931
Leidos Holdings, Inc.		
4.450%, 12/01/2020	300,000	299,138
Microsoft Corp.		
2.000%, 11/03/2020	438,000	439,784
2.525%, 06/01/2050	1,538,000	1,591,384
3.125%, 11/03/2025	438,000	491,360
NXP BV		
3.400%, 05/01/2030 (D)	520,000	559,546
Oracle Corp.		
2.400%, 09/15/2023	435,000	454,858
2.650%, 07/15/2026	310,000	334,356
2.950%, 05/15/2025	550,000	600,187
4.125%, 05/15/2045	500,000	599,693
PayPal Holdings, Inc.		
2.300%, 06/01/2030	600,000	623,518
2.850%, 10/01/2029	1,000,000	1,094,269
QUALCOMM, Inc.		
3.450%, 05/20/2025	500,000	557,622
Visa, Inc.		
2.050%, 04/15/2030	600,000	628,926
2.200%, 12/14/2020	463,000	466,049
3.150%, 12/14/2025	463,000	516,540
4.300%, 12/14/2045	463,000	611,113
Xerox Corp.		
6.750%, 12/15/2039	60,000	62,190
		18,264,024
<b>Materials – 0.9%</b>		
Air Products and Chemicals, Inc.		
1.850%, 05/15/2027	500,000	523,805
Eastman Chemical Company		
4.650%, 10/15/2044	500,000	574,885
Freeport-McMoRan, Inc.		
3.875%, 03/15/2023	500,000	500,650
Huntsman International LLC		
4.500%, 05/01/2029	500,000	526,412
International Paper Company		
5.000%, 09/15/2035	500,000	610,203
Newmont Corp.		
4.875%, 03/15/2042	270,000	346,857
Potash Corp. of Saskatchewan, Inc.		
5.625%, 12/01/2040	150,000	176,096
Praxair, Inc.		
2.450%, 02/15/2022	240,000	246,011
Rio Tinto Alcan, Inc.		
6.125%, 12/15/2033	100,000	144,554
Rio Tinto Finance USA PLC		
4.750%, 03/22/2042	270,000	362,094

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Rio Tinto Finance USA, Ltd. 3.750%, 06/15/2025	\$ 485,000	\$ 549,477
5.200%, 11/02/2040	250,000	353,891
Teck Resources, Ltd. 6.250%, 07/15/2041	270,000	295,035
The Dow Chemical Company 4.375%, 11/15/2042	590,000	654,327
9.400%, 05/15/2039	130,000	215,629
Vale Overseas, Ltd. 6.875%, 11/10/2039	350,000	456,754
		<hr/> 6,536,680
<b>Real estate – 0.7%</b>		
American Campus Communities Operating Partnership LP 3.625%, 11/15/2027	200,000	205,429
American Tower Corp. 5.000%, 02/15/2024	500,000	569,288
Boston Properties LP 4.125%, 05/15/2021	300,000	306,081
Crown Castle International Corp. 3.700%, 06/15/2026	400,000	446,117
CubeSmart LP 4.000%, 11/15/2025	200,000	220,984
Digital Realty Trust LP 4.450%, 07/15/2028	200,000	239,633
Duke Realty LP 3.250%, 06/30/2026	200,000	219,320
Essex Portfolio LP 5.200%, 03/15/2021	60,000	60,967
Healthpeak Properties, Inc. 3.875%, 08/15/2024	400,000	439,659
Mid-America Apartments LP 3.950%, 03/15/2029	800,000	922,416
Service Properties Trust 4.500%, 03/15/2025	200,000	178,981
Simon Property Group LP 3.375%, 06/15/2027	500,000	532,696
3.500%, 09/01/2025	441,500	476,987
SL Green Operating Partnership LP 3.250%, 10/15/2022	500,000	497,907
		<hr/> 5,316,465
<b>Utilities – 2.1%</b>		
AEP Transmission Company LLC 3.750%, 12/01/2047	400,000	458,740
Ameren Corp. 3.500%, 01/15/2031	1,000,000	1,117,846
American Water Capital Corp. 4.300%, 09/01/2045	350,000	437,298
Arizona Public Service Company 3.350%, 05/15/2050	500,000	533,873
Berkshire Hathaway Energy Company 4.500%, 02/01/2045	500,000	632,223
6.125%, 04/01/2036	436,000	628,557
CenterPoint Energy Resources Corp. 4.500%, 01/15/2021	246,000	248,827
Consolidated Edison Company of New York, Inc. 3.950%, 04/01/2050	700,000	833,000
Dominion Energy, Inc. 3.375%, 04/01/2030	600,000	663,739
3.900%, 10/01/2025	242,000	274,119
Duke Energy Carolinas LLC 6.000%, 01/15/2038	200,000	288,839
Duke Energy Corp. 3.750%, 04/15/2024	500,000	547,462

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Duke Energy Corp. (continued) 4.800%, 12/15/2045	\$ 500,000	\$ 648,943
Essential Utilities, Inc. 4.276%, 05/01/2049	500,000	597,841
Eversource Energy 4.250%, 04/01/2029	500,000	594,113
Exelon Corp. 3.400%, 04/15/2026	542,000	603,575
5.150%, 12/01/2020	310,000	312,244
Exelon Generation Company LLC 6.250%, 10/01/2039	160,000	189,948
Florida Power & Light Company 5.650%, 02/01/2037	290,000	407,455
Georgia Power Company 5.950%, 02/01/2039 (A)	335,000	468,841
Hydro-Quebec 8.400%, 01/15/2022	250,000	279,829
Indiana Michigan Power Company 6.050%, 03/15/2037	187,000	252,270
NiSource, Inc. 3.950%, 03/30/2048	400,000	462,521
Oncor Electric Delivery Company LLC 7.500%, 09/01/2038	188,000	307,238
Pacific Gas & Electric Company 3.500%, 10/01/2020 (E)	60,000	65,400
6.050%, 03/01/2034 (A)(E)	454,000	541,395
PacifiCorp 6.000%, 01/15/2039	335,000	491,376
PPL Capital Funding, Inc. 3.400%, 06/01/2023	250,000	264,702
PPL WEM, Ltd. 5.375%, 05/01/2021 (D)	60,000	61,458
Progress Energy, Inc. 4.400%, 01/15/2021	305,000	308,481
Public Service Company of Colorado 3.600%, 09/15/2042	500,000	572,066
Public Service Electric & Gas Company 3.000%, 05/15/2025	250,000	273,308
San Diego Gas & Electric Company 6.125%, 09/15/2037	202,000	272,729
Southern California Edison Company 5.350%, 07/15/2035	130,000	169,640
The Southern Company 3.250%, 07/01/2026	572,000	633,883
Virginia Electric & Power Company 3.450%, 09/01/2022	50,000	52,507
8.875%, 11/15/2038	190,000	341,379
Xcel Energy, Inc. 3.300%, 06/01/2025	400,000	442,000
		<hr/> 16,279,665
<b>TOTAL CORPORATE BONDS (Cost</b>		
<b>\$179,710,226)</b>		<b>\$ 199,212,063</b>
<b>MUNICIPAL BONDS – 0.7%</b>		
Bay Area Toll Authority (California) 6.907%, 10/01/2050	50,000	89,749
Illinois State Toll Highway Authority 6.184%, 01/01/2034	150,000	214,979
Maryland State Transportation Authority 5.888%, 07/01/2043	60,000	87,610
Metropolitan Washington Airports Authority 7.462%, 10/01/2046	40,000	65,766
New Jersey Turnpike Authority 7.102%, 01/01/2041	90,000	148,697

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>MUNICIPAL BONDS (continued)</b>		
New York State Dormitory Authority 5.628%, 03/15/2039	\$ 340,000	\$ 441,062
New York State Urban Development Corp. 5.770%, 03/15/2039	300,000	380,865
Ohio Air Quality Development Authority 2.100%, 10/01/2028	700,000	705,278
State of California 7.300%, 10/01/2039	400,000	668,736
7.500%, 04/01/2034	80,000	130,459
State of Illinois, GO 5.100%, 06/01/2033	115,000	116,662
7.350%, 07/01/2035	280,000	317,646
State of Texas 5.517%, 04/01/2039	260,000	377,629
State of Utah 3.539%, 07/01/2025	390,000	417,561
4.554%, 07/01/2024	260,000	276,258
State of Washington 5.481%, 08/01/2039	260,000	370,016
Texas Transportation Commission State Highway Fund 5.178%, 04/01/2030	310,000	397,188
University of California 5.770%, 05/15/2043	320,000	476,662
<b>TOTAL MUNICIPAL BONDS (Cost \$4,470,445)</b>		<b>\$ 5,682,823</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 2.5%</b>		
<b>Commercial and residential – 2.1%</b>		
Banc of America Commercial Mortgage Trust Series 2015-UBS7, Class A4 3.705%, 09/15/2048	145,000	159,475
<b>BANK</b>		
Series 2017-BNK6, Class A4 3.254%, 07/15/2060	2,000,000	2,205,903
<b>CD Mortgage Trust</b>		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	1,090,000	1,214,054
<b>Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)</b>		
Series 2012-CR3, Class A3, 2.822%, 10/15/2045	488,940	497,119
Series 2012-CR5, Class A4, 2.771%, 12/10/2045	179,000	182,420
Series 2013-CR8, Class AM, 3.946%, 06/10/2046 (D)(F)	630,000	663,346
Series 2014-CR14, Class A3, 3.955%, 02/10/2047	1,000,000	1,074,733
Series 2014-CR21, Class A3, 3.528%, 12/10/2047	648,025	696,521
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	1,101,248
<b>GS Mortgage Securities Trust</b>		
Series 2016-GS4, Class A3, 3.178%, 11/10/2049	3,000,000	3,259,828
Series 2017-GS5, Class A3, 3.409%, 03/10/2050	3,000,000	3,284,077
<b>JPMBB Commercial Mortgage Securities Trust</b>		
Series 2013-C14, Class A4 4.133%, 08/15/2046 (F)	400,000	429,264
<b>JPMorgan Chase Commercial Mortgage Securities Trust</b>		
Series 2013-C16, Class A4 4.166%, 12/15/2046	500,000	540,330

## Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Morgan Stanley Bank of America Merrill Lynch Trust Series 2013-C7, Class A4 2.918%, 02/15/2046	\$ 240,000	\$ 246,777
Morgan Stanley Capital I Trust Series 2011-C1, Class A4 5.033%, 09/15/2047 (D)(F)	53,444	53,986
Wells Fargo Commercial Mortgage Trust Series 2015-C29, Class AS 4.013%, 06/15/2048 (F)	500,000	533,042
		16,142,123
<b>U.S. Government Agency – 0.4%</b>		
Federal Home Loan Mortgage Corp.		
Series K013, Class A2, 3.974%, 01/25/2021 (F)	699,411	706,909
Series K041, Class A2, 3.171%, 10/25/2024	700,000	770,244
Series K047, Class A2, 3.329%, 05/25/2025 (F)	700,000	781,359
Series K050, Class A2, 3.334%, 08/25/2025 (F)	700,000	783,590
		3,042,102
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$18,488,412)</b>		<b>\$ 19,184,225</b>
<b>ASSET BACKED SECURITIES – 0.1%</b>		
Westlake Automobile Receivables Trust Series 2019-2A, Class A2A 2.570%, 02/15/2023 (D)		
	473,787	477,234
<b>TOTAL ASSET BACKED SECURITIES (Cost \$472,012)</b>		<b>\$ 477,234</b>
<b>SHORT-TERM INVESTMENTS – 12.0%</b>		
<b>Short-term funds – 12.0%</b>		
John Hancock Collateral Trust, 0.2429% (G)(H)	2,230,031	22,325,508
State Street Institutional		
U.S. Government Money Market Fund, Premier Class, 0.1158% (G)	68,330,427	68,330,427
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$90,644,804)</b>		<b>\$ 90,655,935</b>
<b>Total Investments (Total Bond Market Trust) (Cost \$747,198,184) – 106.5%</b>		<b>\$ 806,767,303</b>
<b>Other assets and liabilities, net – (6.5%)</b>		<b>(48,896,216)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 757,871,087</b>

### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
GO	General Obligation
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	All or a portion of this security is on loan as of 6-30-20.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	Security purchased or sold on a when-issued or delayed delivery basis.
(D)	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.

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Total Bond Market Trust (continued)

- (E) Non-income producing - Issuer is in default.  
 (F) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.  
 (G) The rate shown is the annualized seven-day yield as of 6-30-20.  
 (H) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## Ultra Short Term Bond Trust

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 1.4%</b>		
<b>U.S. Government Agency – 1.4%</b>		
Federal Home Loan Mortgage Corp. 2.627%, (12 month LIBOR + 1.637%), 09/01/2043 (A)	\$ 579,320	\$ 597,734
2.831%, (1 Year CMT + 2.231%), 05/01/2034 (A)	145,903	153,610
2.974%, (6 month LIBOR + 1.515%), 12/01/2035 (A)	57,448	59,107
2.997%, (1 Year CMT + 2.165%), 11/01/2036 (A)	107,731	112,776
3.413%, (12 month LIBOR + 1.614%), 05/01/2037 (A)	101,562	106,121
3.440%, (6 month LIBOR + 1.565%), 12/01/2036 (A)	23,666	24,479
3.996%, (1 Year CMT + 2.096%), 12/01/2035 (A)	143,271	150,709
4.011%, (12 month LIBOR + 1.651%), 02/01/2036 (A)	73,406	76,355
4.197%, (12 month LIBOR + 1.447%), 06/01/2036 (A)	85,063	87,993
4.492%, (1 Year CMT + 2.295%), 08/01/2035 (A)	112,590	117,365
Federal National Mortgage Association 3.028%, (6 month LIBOR + 1.524%), 02/01/2035 (A)	125,823	129,808
3.086%, (6 month LIBOR + 1.487%), 10/01/2035 (A)	209,707	215,958
3.109%, (12 month LIBOR + 1.567%), 07/01/2035 (A)	243,360	254,048
3.228%, (12 month LIBOR + 1.295%), 10/01/2038 (A)	69,041	71,377
3.453%, (12 month LIBOR + 1.451%), 04/01/2035 (A)	473,693	492,891
3.768%, (1 Year CMT + 2.271%), 07/01/2035 (A)	151,525	158,334
3.788%, (1 Year CMT + 2.179%), 01/01/2036 (A)	144,272	151,894
3.792%, (1 Year CMT + 2.197%), 05/01/2036 (A)	296,538	312,202
3.851%, (1 Year CMT + 2.196%), 02/01/2035 (A)	204,283	214,466
3.920%, (1 Year CMT + 2.333%), 05/01/2034 (A)	74,915	78,872
4.172%, (1 Year CMT + 2.208%), 01/01/2036 (A)	100,871	106,199
Government National Mortgage Association 3.250%, (1 Year CMT + 1.500%), 08/20/2032 to 08/20/2035 (A)	395,818	408,996
		4,081,294
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$4,093,604)</b>		<b>\$ 4,081,294</b>

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS – 49.9%</b>		
<b>Communication services – 1.1%</b>		
ViacomCBS, Inc. 3.375%, 03/01/2022 (B)	\$ 3,000,000	\$ 3,105,834
<b>Consumer discretionary – 6.7%</b>		
American Honda Finance Corp. 3.375%, 12/10/2021	2,000,000	2,076,618
BMW US Capital LLC 3.100%, 04/12/2021 (C)	3,000,000	3,048,643
Daimler Finance North America LLC 2.850%, 01/06/2022 (C)	2,000,000	2,044,781
eBay, Inc. 2.750%, 01/30/2023	3,000,000	3,135,169
Ford Motor Credit Company LLC 3.336%, 03/18/2021	3,000,000	2,969,130
Nissan Motor Acceptance Corp. 2.550%, 03/08/2021 (C)	3,000,000	2,979,061
Volkswagen Group of America Finance LLC 3.125%, 05/12/2023 (C)	3,000,000	3,155,204
		19,408,606
<b>Consumer staples – 2.2%</b>		
Keurig Dr. Pepper, Inc. 3.551%, 05/25/2021	3,000,000	3,083,367
Kraft Heinz Foods Company 2.800%, 07/02/2020	267,000	267,000
The Kroger Company 2.800%, 08/01/2022	2,791,000	2,914,301
		6,264,668
<b>Energy – 3.6%</b>		
Colonial Pipeline Company 3.500%, 10/15/2020 (C)	1,000,000	1,001,357
Enterprise Products Operating LLC 5.200%, 09/01/2020	2,000,000	2,015,139
Halliburton Company 3.250%, 11/15/2021	3,000,000	3,065,526
Kinder Morgan, Inc. 6.500%, 09/15/2020	1,190,000	1,203,134
Sunoco Logistics Partners Operations LP 4.400%, 04/01/2021 (B)	3,000,000	3,059,735
		10,344,891
<b>Financials – 20.5%</b>		
Bank of America Corp. 2.503%, 10/21/2022	1,500,000	1,536,780
5.625%, 07/01/2020	2,000,000	2,000,000
BNP Paribas SA 2.950%, 05/23/2022 (C)	2,000,000	2,070,250
BPCE SA 2.650%, 02/03/2021	2,000,000	2,026,028
Citibank NA (3 month LIBOR + 0.350%) 0.785%, 02/12/2021 (A)	610,000	610,813
Citigroup, Inc. (3 month LIBOR + 1.310%) 2.301%, 10/26/2020 (A)	695,000	697,898
Cooperatieve Rabobank UA 3.125%, 04/26/2021	3,000,000	3,068,019
Danske Bank A/S 2.000%, 09/08/2021 (C)	2,000,000	2,030,683
Fifth Third Bank NA 2.250%, 06/14/2021	3,000,000	3,048,100
General Motors Financial Company, Inc. 3.200%, 07/06/2021	3,000,000	3,034,589
HSBC USA, Inc. 5.000%, 09/27/2020	2,000,000	2,020,871
JPMorgan Chase & Co. (3 month LIBOR + 1.100%) 1.418%, 06/07/2021 (A)	822,000	828,516

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
KeyBank NA 3.300%, 02/01/2022	\$ 2,000,000	\$ 2,084,008
Lloyds Banking Group PLC 3.000%, 01/11/2022	2,000,000	2,068,038
MassMutual Global Funding II 2.000%, 04/15/2021 (C)	2,000,000	2,026,645
Mitsubishi UFJ Financial Group, Inc. (3 month LIBOR + 1.880%) 2.230%, 03/01/2021 (A)	2,246,000	2,270,930
Morgan Stanley 2.500%, 04/21/2021	3,000,000	3,050,230
National Rural Utilities Cooperative Finance Corp. 2.900%, 03/15/2021	2,000,000	2,036,373
NatWest Markets PLC 3.625%, 09/29/2022 (C)	2,000,000	2,096,132
Nordea Bank Abp 2.250%, 05/27/2021 (C)	2,000,000	2,033,605
Santander Holdings USA, Inc. 3.244%, 10/05/2026	3,000,000	3,116,763
The Bank of Nova Scotia 1.950%, 02/01/2023	3,000,000	3,090,199
The Goldman Sachs Group, Inc. 5.750%, 01/24/2022	2,000,000	2,157,744
The PNC Financial Services Group, Inc. 3.300%, 03/08/2022	2,000,000	2,087,560
U.S. Bancorp 3.000%, 03/15/2022	2,000,000	2,086,868
UBS Group AG 3.000%, 04/15/2021 (C)	3,000,000	3,059,257
Wells Fargo & Company 2.500%, 03/04/2021	3,000,000	3,041,915
		59,278,814
<b>Health care – 5.7%</b>		
Abbott Laboratories 2.550%, 03/15/2022	3,000,000	3,111,840
AbbVie, Inc. 2.300%, 05/14/2021	2,000,000	2,025,391
Amgen, Inc. 3.875%, 11/15/2021	2,162,572	2,243,565
Anthem, Inc. 2.500%, 11/21/2020	3,000,000	3,023,785
Bayer US Finance LLC 3.000%, 10/08/2021 (C)	2,000,000	2,052,776
Bristol-Myers Squibb Company 2.250%, 08/15/2021 (C)	2,000,000	2,039,000
CVS Health Corp. (3 month LIBOR + 0.720%) 1.033%, 03/09/2021 (A)	2,000,000	2,007,600
		16,503,957
<b>Industrials – 2.8%</b>		
Air Lease Corp. 3.875%, 04/01/2021	2,000,000	2,011,510
Caterpillar Financial Services Corp. 2.650%, 05/17/2021	2,000,000	2,039,869
Honeywell International, Inc. 4.250%, 03/01/2021	2,000,000	2,053,358
The Boeing Company 2.300%, 08/01/2021 (B)	2,000,000	2,018,082
		8,122,819
<b>Information technology – 4.2%</b>		
Broadcom, Inc. 3.125%, 04/15/2021 (C)	3,000,000	3,049,426
Dell International LLC 4.420%, 06/15/2021 (C)	3,000,000	3,083,588

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
IBM Corp. 2.850%, 05/13/2022	\$ 835,000	\$ 873,366
NXP BV 4.625%, 06/15/2022 (C)	2,000,000	2,130,698
Oracle Corp. 2.625%, 02/15/2023	3,000,000	3,153,154
		12,290,232
<b>Materials – 1.4%</b>		
Georgia-Pacific LLC 5.400%, 11/01/2020 (C)	2,000,000	2,031,854
Syngenta Finance NV 3.933%, 04/23/2021 (C)	1,880,000	1,898,300
		3,930,154
<b>Utilities – 1.7%</b>		
Eversource Energy 2.800%, 05/01/2023	1,000,000	1,046,857
FirstEnergy Corp. 4.250%, 03/15/2023	1,675,000	1,811,130
Southern California Edison Company 2.400%, 02/01/2022	2,000,000	2,031,000
		4,888,987
<b>TOTAL CORPORATE BONDS (Cost \$141,786,933)</b>		<b>\$ 144,138,962</b>
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 1.7%</b>		
<b>Commercial and residential – 1.4%</b>		
COLT Mortgage Loan Trust Series 2020-3, Class A1 1.506%, 04/27/2065 (C)(D)	1,260,000	1,262,200
Vista Point Securitization Trust Series 2020-1, Class A1 1.763%, 03/25/2065 (C)(D)	3,000,000	2,999,958
		4,262,158
<b>U.S. Government Agency – 0.3%</b>		
Federal National Mortgage Association Series 2013-10, Class FT (1 month LIBOR + 0.350%) 0.535%, 04/25/2042 (A)	864,054	861,366
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$5,125,880)</b>		<b>\$ 5,123,524</b>
<b>ASSET BACKED SECURITIES – 17.1%</b>		
Ally Auto Receivables Trust Series 2017-3, Class A3 1.740%, 09/15/2021	48,205	48,230
Series 2019-1, Class A2 2.850%, 03/15/2022	444,059	445,463
American Express Credit Account Master Trust Series 2017-6, Class A 2.040%, 05/15/2023	3,000,000	3,014,438
American Tower Trust Series 2013, Class 2A 3.070%, 03/15/2048 (C)	2,500,000	2,557,901
BMW Vehicle Owner Trust Series 2018-A, Class A3 2.350%, 04/25/2022	902,763	908,825
Capital One Multi-Asset Execution Trust Series 2015-A8, Class A8 2.050%, 08/15/2023	1,700,000	1,708,181
Series 2018-A1, Class A1 3.010%, 02/15/2024	1,500,000	1,531,527

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
CarMax Auto Owner Trust Series 2017-3, Class A3 1.970%, 04/15/2022	\$ 704,897	\$ 708,297
CCG Receivables Trust Series 2019-1, Class B 3.220%, 09/14/2026 (C)	1,140,000	1,166,685
Citibank Credit Card Issuance Trust Series 2018-A1, Class A1 2.490%, 01/20/2023	4,000,000	4,047,759
Crown Point CLO III, Ltd. Series 2015-3A, Class A2R (3 month LIBOR + 1.450%) 2.669%, 12/31/2027 (A)(C)	1,605,000	1,585,836
Enterprise Fleet Financing LLC Series 2018-3, Class A2 3.380%, 05/20/2024 (C)	194,821	198,425
Flagship Credit Auto Trust Series 2018-2, Class D 4.230%, 09/16/2024 (C)	1,140,000	1,175,768
Ford Credit Auto Owner Trust Series 2018-A, Class A3 3.030%, 11/15/2022	2,572,742	2,608,353
Series 2020-A, Class A1 0.267%, 05/15/2021	1,693,130	1,693,089
GM Financial Consumer Automobile Receivables Trust Series 2018-1, Class A3 2.320%, 07/18/2022	789,693	796,356
GreatAmerica Leasing Receivables Funding LLC Series 2018-1, Class A3 2.600%, 06/15/2021 (C)	1,129,032	1,133,656
Hertz Vehicle Financing II LP Series 2015-3A, Class A 2.670%, 09/25/2021 (C)	1,607,360	1,584,402
Honda Auto Receivables Owner Trust Series 2018-3, Class A3 2.950%, 08/22/2022	1,604,294	1,632,427
HPEFS Equipment Trust Series 2019-1A, Class A3 2.210%, 09/20/2029 (C)	1,000,000	1,015,283
Huntington Auto Trust Series 2016-1, Class A4 1.930%, 04/15/2022	589,682	589,886
Mercedes-Benz Auto Receivables Trust Series 2016-1, Class A4 1.460%, 12/15/2022	1,452,120	1,453,673
NextGear Floorplan Master Owner Trust Series 2017-2A, Class A2 2.560%, 10/17/2022 (C)	2,000,000	2,007,590
Nissan Auto Receivables Owner Trust Series 2016-A, Class A4 1.590%, 07/15/2022	470,807	471,026
Series 2017-B, Class A3 1.750%, 10/15/2021	360,018	360,900
Series 2019-A, Class A2A 2.820%, 01/18/2022	689,151	692,716
PFS Financing Corp. Series 2017-BA, Class A1 (1 month LIBOR + 0.600%) 0.785%, 07/15/2022 (A)(C)	300,000	299,807
Series 2018-B, Class A 2.890%, 02/15/2023 (C)	2,790,000	2,822,392
Santander Consumer Auto Receivables Trust Series 2020-AA, Class A 1.370%, 10/15/2024 (C)	1,282,976	1,290,427

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
SMB Private Education Loan Trust Series 2015-A, Class A2A 2.490%, 06/15/2027 (C)	\$ 920,265	\$ 924,741
Toyota Auto Receivables Owner Trust Series 2019-A, Class A2A 2.830%, 10/15/2021	661,285	664,439
TRIP Rail Master Funding LLC Series 2017-1A, Class A1 2.709%, 08/15/2047 (C)	832,622	833,009
USAA Auto Owner Trust Series 2017-1, Class A4 1.880%, 09/15/2022	2,423,815	2,429,876
Westlake Automobile Receivables Trust Series 2019-2A, Class C 2.840%, 07/15/2024 (C)	1,000,000	1,013,922
World Financial Network Credit Card Master Trust Series 2015-B, Class A 2.550%, 06/17/2024	3,255,000	3,262,154
World Omni Auto Receivables Trust Series 2018-D, Class A3 3.330%, 04/15/2024	650,000	670,822
<b>TOTAL ASSET BACKED SECURITIES (Cost \$49,122,970)</b>		<b>\$ 49,348,281</b>
<b>SHORT-TERM INVESTMENTS – 30.7%</b>		
<b>Commercial paper – 12.6%</b>		
Apple, Inc. 0.200%, 07/06/2020 *	3,000,000	2,999,975
BASF SE 0.300%, 07/08/2020 *	3,000,000	2,999,409
Cargill, Inc. 0.200%, 08/03/2020 *	3,000,000	2,999,646
Colgate-Palmolive Company 0.120%, 08/10/2020 *	3,000,000	2,999,607
Cummins, Inc. 0.320%, 08/17/2020 *	3,000,000	2,999,432
Kaiser Foundation Hospitals 0.250%, 08/05/2020 *	3,000,000	2,999,016
Lime Funding LLC 0.300%, 09/10/2020 *	3,000,000	2,998,512
Old Line Funding LLC 0.200%, 07/07/2020 *	3,000,000	2,999,942
PSP Capital, Inc. 0.170%, 08/05/2020 *	3,000,000	2,999,526
Salt River Project Agricultural Improvement & Power District 0.150%, 07/02/2020 *	3,000,000	2,999,288
Trustees of Princeton University 0.250%, 08/03/2020 *	3,500,000	3,500,479
University of California 0.270%, 07/02/2020 *	3,000,000	2,998,740
		<b>36,493,572</b>
<b>U.S. Government – 16.8%</b>		
U.S. Treasury Bill		
0.130%, 07/16/2020 *	10,000,000	9,999,526
0.140%, 07/16/2020 *	4,500,000	4,499,787
0.140%, 09/24/2020 *	8,000,000	7,997,544
0.145%, 08/20/2020 *	10,000,000	9,998,264
0.158%, 08/04/2020 *	6,000,000	5,999,277
0.159%, 08/20/2020 *	5,000,000	4,999,132
0.160%, 08/04/2020 *	5,000,000	4,999,398
		<b>48,492,928</b>
<b>Short-term funds – 1.3%</b>		
John Hancock Collateral Trust, 0.2429% (E)(F)	250,620	2,509,033

# John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

## Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS (continued)</b>		
<b>Short-term funds (continued)</b>		
State Street Institutional		
U.S. Government Money Market		
Fund, Premier Class, 0.1158% (E)	1,116,365	\$ 1,116,365
		3,625,398
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$88,611,629)</b>		<b>\$ 88,611,898</b>
<b>Total Investments (Ultra Short Term Bond Trust)</b>		<b>\$ 291,303,959</b>
(Cost \$288,741,016) – 100.8%		(2,427,188)
<b>Other assets and liabilities, net – (0.8%)</b>		<b>288,876,771</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 288,876,771</b>

### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$65,703,262 or 22.7% of the fund's net assets as of 6-30-20.
(D)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(E)	The rate shown is the annualized seven-day yield as of 6-30-20.
(F)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.