

SECURITIES AND EXCHANGE COMMISSION

FORM NPORT-P

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FILER

**John Hancock Funds II**

CIK: [1331971](#) | IRS No.: **000000000** | State of Incorporation: **MA** | Fiscal Year End: **0831**  
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Mailing Address

*C/O JOHN HANCOCK FUNDS  
200 BERKELEY STREET  
BOSTON MA 02116*

Business Address

*C/O JOHN HANCOCK FUNDS  
200 BERKELEY STREET  
BOSTON MA 02116  
617-663-2166*

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Asia Pacific Total Return Bond Fund

	Shares or Principal Amount	Value
<b>U.S.</b>		
<b>GOVERNMENT AND AGENCY OBLIGATIONS - 3.1%</b>		
<b>U.S. Government - 3.1%</b>		
U.S. Treasury Bond 2.250%, 08/15/ 2049	\$ 9,250,000	\$ 9,337,441
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$9,658,355)</b>		<b>\$ 9,337,441</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS - 44.4%</b>		
<b>Australia - 2.0%</b>		
Commonwealth of Australia 1.750%, 11/21/2020 AUD	8,700,000	5,941,051
<b>Canada - 0.5%</b>		
Province of British Columbia 6.600%, 01/09/ 2020 (A) INR	106,000,000	1,478,235
<b>India - 6.0%</b>		
Republic of India 7.590%, 01/11/2026 7.680%, 12/15/ 2023 8.120%, 12/10/ 2020 9.150%, 11/14/2024	450,000,000 85,000,000 450,000,000 250,000,000	6,587,349 1,246,767 6,443,233 3,891,205
		18,168,554
<b>Indonesia - 14.9%</b>		
Republic of Indonesia 3.700%, 10/30/ 2049 6.125%, 05/15/ 2028 6.625%, 05/15/ 2033 7.000%, 05/15/ 2027 8.250%, 05/15/ 2029 8.375%, 03/15/ 2024 to 04/15/2039	\$ 1,771,000 IDR 120,000,000,000 196,112,000,000 24,000,000,000 102,000,000,000 172,516,000,000	1,820,147 7,954,626 12,883,328 1,704,570 7,806,609 13,121,890

## Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Australia (continued)</b>		
Westpac Banking Corp. 4.421%, 07/24/2039	\$ 1,593,000	\$ 1,724,227
		3,912,336
<b>Cayman Islands - 2.6%</b>		
21Vianet Group, Inc. 7.875%, 10/15/2021	2,000,000	2,013,206
CK Hutchison International 19 II, Ltd. 3.375%, 09/06/2049 (A)	2,801,000	2,783,784
Minsheng Hong Kong International Leasing, Ltd. 4.500%, 03/26/2022	3,000,000	3,018,177
		7,815,167
<b>China - 6.8%</b>		
China Aoyuan Group, Ltd. 7.950%, 09/07/2021	2,500,000	2,594,359
China SCE Group Holdings, Ltd. 7.375%, 04/09/2024	3,000,000	2,995,813
Franshion Brilliant, Ltd. (4.000% to 1-3-23, then 5 Year CMT + 5.238%) 01/03/2023 (B)	3,000,000	2,981,965
New Metro Global, Ltd. 6.500%, 04/23/2021	1,600,000	1,574,415
Times China Holdings, Ltd. 7.850%, 06/04/2021	2,000,000	2,054,086
Vanke Real Estate Hong Kong Company, Ltd. 3.850%, 06/13/2022	CNY 16,000,000	2,284,380
Yuzhou Properties Company, Ltd. 6.375%, 03/06/2021	\$ 3,200,000	3,225,225
Zhenro Properties Group, Ltd. 8.650%, 01/21/2023	3,000,000	2,978,799
		20,689,042
<b>Hong Kong - 11.1%</b>		
AIA Group, Ltd. 4.875%, 03/11/2044	1,488,000	1,845,963
Bangkok Bank PCL (3.733% to 9-25-29, then 5 Year CMT + 1.900%) 09/25/2034 (A)	1,053,000	1,060,187
Chong Hing Bank, Ltd. (3.876% to 7-26-22, then 5 Year CMT + 2.030%) 07/26/2027	3,000,000	3,001,214



## Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Hong Kong (continued)</b>		
Weichai International Hong Kong Energy Group Company, Ltd. (3.750% to 9-14-22, then 5 Year CMT + 6.084%) 09/14/2022 (B)	\$ 3,000,000	\$ 3,012,738
Yingde Gases Investment, Ltd. 6.250%, 01/19/2023 (A)	3,400,000	3,501,588
Zoomlion HK SPV Company, Ltd. 6.125%, 12/20/2022	3,300,000	3,357,750
		33,894,544
<b>India - 2.3%</b>		
NTPC, Ltd. 4.250%, 02/26/2026	2,000,000	2,113,614
ReNew Power Synthetic 6.670%, 03/12/2024	2,000,000	2,050,465
Vedanta Resources, Ltd. 7.125%, 05/31/2023	3,000,000	2,922,000
		7,086,079
<b>Indonesia - 5.3%</b>		
ABM Investama Tbk PT 7.125%, 08/01/2022 (A)	2,800,000	2,336,341
Adaro Indonesia PT 4.250%, 10/31/2024 (A)	2,217,000	2,170,443
Chandra Asri Petrochemical Tbk PT 4.950%, 11/08/2024	3,500,000	3,435,704
Indonesia Asahan Aluminium Persero PT 6.530%, 11/15/2028	1,500,000	1,821,992
Jasa Marga Persero Tbk PT 7.500%, 12/11/2020 (A)	IDR11,300,000,000	801,765
Pertamina Persero PT 6.450%, 05/30/2044	\$ 2,000,000	2,532,249
Perusahaan Listrik Negara PT 6.150%, 05/21/2048	2,500,000	3,106,250
		16,204,744
<b>Isle of Man - 1.4%</b>		
Gohl Capital, Ltd. 4.250%, 01/24/2027	4,000,000	4,168,390
<b>Malaysia - 1.7%</b>		
Press Metal Labuan, Ltd. 4.800%, 10/30/2022	3,200,000	3,125,750
SD International Sukuk, Ltd. 6.300%, 05/09/2022	2,000,000	2,036,382
		5,162,132
<b>Mauritius - 2.7%</b>		
Greenko Investment Company 4.875%, 08/16/2023	2,100,000	2,076,213
HT Global IT Solutions Holdings, Ltd. 7.000%, 07/14/2021	2,900,000	2,986,028

## Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Singapore (continued)</b>		
TBLA International Pte, Ltd. 7.000%, 01/24/2023	\$ 2,500,000	\$ 2,505,098
		11,325,337
<b>South Korea - 5.6%</b>		
Busan Bank Company, Ltd. 3.625%, 07/25/2026	3,000,000	3,032,048
DB Insurance Company, Ltd. 3.865%, 05/25/2027	KRW 8,000,000,000	7,245,470
Export-Import Bank of Korea 6.200%, 08/07/2021	INR 137,000,000	1,906,920
Hyundai Capital Services, Inc. 3.000%, 03/06/2022	\$ 502,000	507,222
	937,000	955,713
The Korea Development Bank 7.000%, 11/30/2022 (A)	IDR52,000,000,000	3,601,792
		17,249,165
<b>Supranational - 2.6%</b>		
Asian Development Bank 2.850%, 10/21/2020	CNY 20,000,000	2,839,511
	INR 360,000,000	5,043,205
		7,882,716
<b>United Arab Emirates - 0.6%</b>		
ICICI Bank, Ltd. 3.650%, 01/14/2020	SGD 2,500,000	1,832,306
<b>United States - 2.1%</b>		
Incitec Pivot Finance LLC 3.950%, 08/03/2027	\$ 2,225,000	2,248,904
Resorts World Las Vegas LLC 4.625%, 04/16/2029 (A)	3,400,000	3,541,484
	600,000	625,088
		6,415,476
<b>TOTAL CORPORATE BONDS (Cost \$150,519,238)</b>		\$ 151,774,127
<b>Total Investments (Asia Pacific Total Return Bond Fund) (Cost \$297,111,989) - 97.3%</b>		\$ 296,175,438
<b>Other assets and liabilities, net - 2.7%</b>		<b>8,189,530</b>
<b>TOTAL NET ASSETS - 100.0%</b>		<b>\$ 304,364,968</b>

## Currency Abbreviations

AUD	Australian Dollar
CNY	Chinese Yuan Renminbi
IDR	Indonesian Rupiah
INR	Indian Rupee
KRW	Korean Won
MYR	Malaysian Ringgit
PHP	Philippine Peso
SGD	Singapore Dollar
THB	Thai Bhat

UPL Corp., Ltd. 4.500%, 03/08/2028	3,000,000	3,074,452
		8,136,693
<b>Singapore - 3.7%</b>		
Indika Energy Capital III Pte, Ltd. 5.875%, 11/09/2024 (A)	1,200,000	1,147,762
5.875%, 11/09/2024	1,800,000	1,721,644
Medco Oak Tree Pte, Ltd. 7.375%, 05/14/2026 (A)	2,160,000	2,195,370
Singapore Post, Ltd. (4.250% to 3-2-22, then 10 Year Singapore Swap Offered Rate + 3.692%) 03/02/2022 (B)	SGD 5,000,000	3,755,463

#### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered 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.
(B)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(C)	Variable rate obligation. The coupon rate shown represents the rate at period end.

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Asia Pacific Total Return Bond Fund (continued)

#### DERIVATIVES

#### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
2-Year U.S. Treasury Note Futures	155	Short	Apr 2020	\$(33,430,032)	\$(33,418,242)	\$11,790
						<b>\$11,790</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.

### Capital Appreciation Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS – 100.0%</b>		
<b>Communication services – 13.3%</b>		
Entertainment – 4.2%		
Netflix, Inc. (A)	145,470	\$ 45,773,590
The Walt Disney Company	182,647	27,685,632
		73,459,222
<b>Interactive media and services – 9.1%</b>		
Alphabet, Inc., Class A (A)	38,525	50,240,067
Alphabet, Inc., Class C (A)	38,480	50,214,861

### Capital Appreciation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Health care – 10.5%</b>		
<b>Biotechnology – 2.5%</b>		
BioMarin Pharmaceutical, Inc. (A)	119,872	\$ 9,674,869
Exact Sciences Corp. (A)	83,067	6,729,258
Sage Therapeutics, Inc. (A)	45,986	7,117,253
Vertex Pharmaceuticals, Inc. (A)	96,959	21,500,658
		45,022,038
<b>Health care equipment and supplies – 4.4%</b>		
Danaher Corp. (B)	114,614	16,731,352
DexCom, Inc. (A)	60,800	13,820,448
Edwards Lifesciences Corp. (A)	89,480	21,917,231
Intuitive Surgical, Inc. (A)	42,369	25,120,580

Facebook, Inc., Class A (A)	304,630	61,425,593		77,589,611
		161,880,521		
		235,339,743		
<b>Consumer discretionary – 21.6%</b>				
<b>Automobiles – 1.8%</b>				
Tesla, Inc. (A)(B)	94,731	31,255,546		
<b>Hotels, restaurants and leisure – 2.1%</b>				
Chipotle Mexican Grill, Inc. (A)	24,280	19,761,978		
Marriott International, Inc., Class A	125,834	17,662,060		
		37,424,038		
<b>Internet and direct marketing retail – 8.9%</b>				
Alibaba Group Holding, Ltd., ADR (A)	300,385	60,077,000		
Amazon.com, Inc. (A)	54,597	98,318,278		
		158,395,278		
<b>Leisure products – 0.3%</b>				
Peloton Interactive, Inc., Class A (A)(B)	137,903	4,858,323		
<b>Specialty retail – 1.3%</b>				
The Home Depot, Inc.	106,618	23,510,335		
<b>Textiles, apparel and luxury goods – 7.2%</b>				
adidas AG	73,301	22,855,085		
Kering SA	50,040	30,133,620		
Lululemon Athletica, Inc. (A)(B)	155,671	35,133,388		
NIKE, Inc., Class B	413,226	38,632,499		
		126,754,592		
		382,198,112		
<b>Consumer staples – 4.2%</b>				
<b>Beverages – 0.5%</b>				
Constellation Brands, Inc., Class A	46,183	8,592,809		
<b>Food and staples retailing – 2.1%</b>				
Costco Wholesale Corp.	121,832	36,526,452		
<b>Personal products – 1.6%</b>				
The Estee Lauder Companies, Inc., Class A	147,514	28,834,562		
		73,953,823		
<b>Financials – 2.0%</b>				
<b>Banks – 0.8%</b>				
JPMorgan Chase & Co.	116,181	15,308,009		
<b>Capital markets – 1.2%</b>				
S&P Global, Inc.	79,307	20,988,598		
		36,296,607		
<b>Health care providers and services – 0.3%</b>				
Guardant Health, Inc. (A)	70,427		5,470,065	
<b>Life sciences tools and services – 1.5%</b>				
Illumina, Inc. (A)	80,728		25,894,313	
<b>Pharmaceuticals – 1.8%</b>				
AstraZeneca PLC, ADR	640,995		31,075,438	
			185,051,465	
<b>Industrials – 6.6%</b>				
<b>Aerospace and defense – 4.9%</b>				
Airbus SE	144,381		21,216,016	
Safran SA	146,512		23,954,497	
The Boeing Company	112,789		41,301,076	
			86,471,589	
<b>Road and rail – 1.7%</b>				
Uber Technologies, Inc. (A)	302,844		8,964,182	
Union Pacific Corp.	116,859		20,566,015	
			29,530,197	
			116,001,786	
<b>Information technology – 41.2%</b>				
<b>IT services – 13.7%</b>				
Adyen NV (A)(C)	29,243		22,425,256	
FleetCor Technologies, Inc. (A)	111,803		34,314,577	
Mastercard, Inc., Class A	247,595		72,354,687	
PayPal Holdings, Inc. (A)	168,804		18,232,520	
Shopify, Inc., Class A (A)	46,339		15,604,658	
Square, Inc., Class A (A)	133,364		9,218,120	
Twilio, Inc., Class A (A)(B)	86,374		8,920,707	
Visa, Inc., Class A	327,006		60,335,877	
			241,406,402	
<b>Semiconductors and semiconductor equipment – 5.9%</b>				
Broadcom, Inc.	63,919		20,211,827	
NVIDIA Corp.	201,354		43,641,466	
QUALCOMM, Inc.	298,137		24,909,346	
Universal Display Corp.	24,459		4,750,427	
Xilinx, Inc.	123,297		11,439,496	
			104,952,562	

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Capital Appreciation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Software – 16.7%</b>		
Adobe, Inc. (A)	179,142	\$ 55,449,823
Coupa Software, Inc. (A)	62,407	9,578,850
Microsoft Corp.	625,976	94,760,247
salesforce.com, Inc. (A)	443,110	72,178,188
ServiceNow, Inc. (A)	71,853	20,337,273
Splunk, Inc. (A)	167,982	25,066,274
Workday, Inc., Class A (A)	102,311	18,325,946
		295,696,601
<b>Technology hardware, storage and peripherals – 4.9%</b>		
Apple, Inc.	321,500	85,920,875
		727,976,440
<b>Real estate – 0.6%</b>		
<b>Equity real estate investment trusts – 0.6%</b>		
American Tower Corp.	50,974	10,909,965
<b>TOTAL COMMON STOCKS (Cost \$783,336,228)</b>		<b>\$ 1,767,727,941</b>
<b>SHORT-TERM INVESTMENTS – 2.7%</b>		
<b>Short-term funds – 2.7%</b>		
John Hancock Collateral Trust, 1.7887% (D)(E)	4,501,877	45,047,137
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (D)	3,634,768	3,634,768
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$48,680,255)</b>		<b>\$ 48,681,905</b>
<b>Total Investments (Capital Appreciation Fund) (Cost \$832,016,483) – 102.7%</b>		<b>\$ 1,816,409,846</b>
<b>Other assets and liabilities, net – (2.7%)</b>		<b>(47,899,977)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 1,768,509,869</b>

### Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$44,129,313.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	The rate shown is the annualized seven-day yield as of 11-30-19.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## Capital Appreciation Value Fund

## Capital Appreciation Value Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Internet and direct marketing retail – 2.0%</b>		
Amazon.com, Inc. (B)	17,464	\$ 31,449,171
		81,887,583
<b>Consumer staples – 1.3%</b>		
<b>Beverages – 1.3%</b>		
Keurig Dr. Pepper, Inc. (C)	636,041	19,679,109
<b>Energy – 0.2%</b>		
<b>Oil, gas and consumable fuels – 0.2%</b>		
Concho Resources, Inc.	49,500	3,591,720
<b>Financials – 5.9%</b>		
<b>Banks – 0.3%</b>		
The PNC Financial Services Group, Inc.	28,500	4,366,485
<b>Capital markets – 2.6%</b>		
Intercontinental Exchange, Inc.	186,825	17,593,310
S&P Global, Inc.	85,283	22,570,146
		40,163,456
<b>Insurance – 3.0%</b>		
Marsh & McLennan Companies, Inc.	443,442	47,922,777
		92,452,718
<b>Health care – 12.8%</b>		
<b>Health care equipment and supplies – 6.4%</b>		
Alcon, Inc. (B)	360,243	19,899,261
Becton, Dickinson and Company	143,853	37,186,001
Danaher Corp.	288,541	42,121,215
		99,206,477
<b>Health care providers and services – 0.6%</b>		
UnitedHealth Group, Inc. (A)	32,000	8,955,840
<b>Life sciences tools and services – 5.8%</b>		
Avantor, Inc. (B)	338,157	5,792,629
PerkinElmer, Inc.	516,156	47,950,892
Thermo Fisher Scientific, Inc.	118,934	37,339,329
		91,082,850
		199,245,167
<b>Industrials – 8.6%</b>		
<b>Commercial services and supplies – 0.7%</b>		
Waste Connections, Inc.	126,669	11,469,878
<b>Industrial conglomerates – 5.9%</b>		
General Electric Company	5,044,939	56,856,463
Roper Technologies, Inc.	96,325	34,712,640
		91,569,103
<b>Machinery – 2.0%</b>		
Fortive Corp.	430,652	31,080,155

	Shares or Principal Amount	Value		
<b>COMMON STOCKS – 61.1%</b>				134,119,136
<b>Communication services – 3.8%</b>			<b>Information technology – 16.6%</b>	
<b>Interactive media and services – 3.8%</b>			<b>Electronic equipment, instruments and components – 0.6%</b>	
Alphabet, Inc., Class A (A)(B)	2,638	\$ 3,440,189	TE Connectivity, Ltd.	100,532 9,320,322
Alphabet, Inc., Class C (B)	28,420	37,086,963	<b>IT services – 8.4%</b>	
Facebook, Inc., Class A (B)	95,900	19,337,276	Fiserv, Inc. (B)	451,841 52,521,998
		59,864,428	Global Payments, Inc.	130,919 23,709,431
<b>Consumer discretionary – 5.3%</b>			Visa, Inc., Class A (A)	298,451 55,067,194
<b>Auto components – 0.6%</b>				131,298,623
Aptiv PLC	100,299	9,416,070	<b>Semiconductors and semiconductor equipment – 3.1%</b>	
<b>Hotels, restaurants and leisure – 2.7%</b>			Maxim Integrated Products, Inc.	259,069 14,681,440
Hilton Worldwide Holdings, Inc.	201,243	21,130,515	NXP Semiconductors NV	130,510 15,084,341
McDonald's Corp.	26,600	5,173,168	Texas Instruments, Inc. (A)	154,900 18,620,529
Yum! Brands, Inc. (A)	146,207	14,718,659		48,386,310
		41,022,342	<b>Software – 4.5%</b>	
			Microsoft Corp.	456,700 69,135,246
				258,140,501

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Capital Appreciation Value Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Real estate – 0.6%</b>		
<b>Equity real estate investment trusts – 0.6%</b>		
American Tower Corp.	45,400	\$ 9,716,962
<b>Utilities – 6.0%</b>		
<b>Electric utilities – 4.4%</b>		
American Electric Power Company, Inc.	293,234	26,786,926
Eversource Energy	113,201	9,354,931
NextEra Energy, Inc.	39,490	9,233,552
Xcel Energy, Inc.	385,652	23,713,741
		69,089,150
<b>Multi-utilities – 0.9%</b>		
NiSource, Inc.	555,180	14,684,511
<b>Water utilities – 0.7%</b>		
American Water Works Company, Inc.	85,959	10,403,618
		94,177,279

### Capital Appreciation Value Fund (continued)

	Shares or Principal Amount	Value
<b>PREFERRED SECURITIES (continued)</b>		
<b>Multi-utilities (continued)</b>		
NiSource, Inc. (6.500% to 3-15-24, then 5 Year CMT + 3.632%)	135,815	\$ 3,699,601
		21,204,251
		33,606,205
<b>TOTAL PREFERRED SECURITIES (Cost \$82,283,435)</b>		\$ 91,115,101
<b>CORPORATE BONDS - 18.5%</b>		
<b>Communication services - 5.9%</b>		
CCO Holdings LLC		
4.000%, 03/01/2023 (D)	\$ 2,235,000	2,276,906
5.000%, 02/01/2028 (D)	9,022,000	9,495,655
5.125%, 02/15/2023	1,097,000	1,114,826
5.125%, 05/01/2023 to 05/01/2027 (D)	9,400,000	9,851,444
5.250%, 09/30/2022	1,680,000	1,703,100

TOTAL COMMON STOCKS (Cost \$676,225,418)		\$	952,874,603	5.750%, 09/01/2023 to 01/15/2024	2,423,000	2,473,880
<b>PREFERRED SECURITIES – 5.9%</b>				5.875%, 04/01/2024 (D)	2,390,000	2,491,575
<b>Financials – 1.8%</b>				Charter Communications Operating LLC		
<b>Banks – 1.6%</b>				3.579%, 07/23/2020	575,000	579,134
JPMorgan Chase & Co., 5.750%	150,000		4,023,000	Comcast Corp.		
U.S. Bancorp, 5.500%	61,473		1,629,035	3.450%, 10/01/2021	1,375,000	1,413,334
U.S. Bancorp (6.500% to 1-15-22, then 3 month LIBOR + 4.468%)	27,000		736,830	Comcast Corp. (3 month LIBOR + 0.330%)		
Wells Fargo & Company, Series L, 7.500%	13,190		19,257,400	2.429%, 10/01/2020 (E)	1,490,000	1,493,162
			25,646,265	Comcast Corp. (3 month LIBOR + 0.440%)		
<b>Capital markets – 0.2%</b>				2.539%, 10/01/2021 (E)	1,175,000	1,180,700
State Street Corp., 6.000%	13,831		350,478	Level 3 Financing, Inc.		
The Charles Schwab Corp., 5.950%	8,000		208,640	5.375%, 08/15/2022	1,414,000	1,419,303
The Charles Schwab Corp., 6.000%	72,000		1,860,480	Netflix, Inc.		
			2,419,598	4.375%, 11/15/2026	6,035,000	6,110,438
			28,065,863	4.875%, 04/15/2028	11,905,000	12,194,053
<b>Health care – 1.7%</b>				5.375%, 02/01/2021	1,101,000	1,138,654
<b>Health care equipment and supplies – 0.8%</b>				5.500%, 02/15/2022	835,000	881,952
Becton, Dickinson and Company, 6.125%	203,684		12,681,366	5.875%, 02/15/2025 to 11/15/2028	14,193,000	15,511,870
<b>Life sciences tools and services – 0.9%</b>				6.375%, 05/15/2029	6,940,000	7,764,125
Avantor, Inc., 6.250%	215,651		12,969,251	Sirius XM Radio, Inc.		
			25,650,617	3.875%, 08/01/2022 (D)	1,931,000	1,969,620
<b>Industrials – 0.2%</b>				4.625%, 05/15/2023 (D)	1,640,000	1,664,600
<b>Machinery – 0.2%</b>				T-Mobile USA, Inc.		
Fortive Corp., 5.000%	4,052		3,792,416	6.000%, 03/01/2023	715,000	727,441
<b>Utilities – 2.2%</b>				6.500%, 01/15/2026	330,000	353,100
<b>Electric utilities – 0.8%</b>				Verizon Communications, Inc.		
Alabama Power Company, 5.000%	50,000		1,302,000	3.125%, 03/16/2022	900,000	924,014
American Electric Power Company, Inc., 6.125%	43,488		2,313,996	Verizon Communications, Inc. (3 month LIBOR + 1.000%)		
Duke Energy Corp., 5.625%	140,000		3,740,800	3.119%, 03/16/2022 (E)	2,350,000	2,386,594
SCE Trust III (5.750% to 3-15-24, then 3 month LIBOR + 2.990%)	72,222		1,747,050	Zayo Group LLC		
SCE Trust IV (5.375% to 9-15-25, then 3 month LIBOR + 3.132%)	104,220		2,497,111	5.750%, 01/15/2027 (D)	5,128,000	5,230,560
SCE Trust V (5.450% to 3-15-26, then 3 month LIBOR + 3.790%)	32,990		800,997			92,350,040
			12,401,954	<b>Consumer discretionary - 2.4%</b>		
<b>Multi-utilities – 1.4%</b>				AutoZone, Inc.		
CMS Energy Corp., 5.875%	225,000		5,980,500	2.500%, 04/15/2021	900,000	904,213
CMS Energy Corp., 5.875%	275,000		7,273,750	Cedar Fair LP		
DTE Energy Company, 5.250%	165,000		4,250,400	5.375%, 06/01/2024 to 04/15/2027	4,443,000	4,623,450
				Dollar Tree, Inc. (3 month LIBOR + 0.700%)		
				2.702%, 04/17/2020 (E)	610,000	610,071
				Hilton Domestic Operating Company, Inc.		
				4.250%, 09/01/2024	1,280,000	1,302,400
				KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
				4.750%, 06/01/2027 (D)	6,395,000	6,650,800

**Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)**

**Capital Appreciation Value Fund (continued)**

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC (continued)		
5.000%, 06/01/2024 (D)	\$ 2,735,000	\$ 2,837,563
5.250%, 06/01/2026 (D)	3,363,000	3,565,116
Marriott International, Inc. (3 month LIBOR + 0.650%)		
2.752%, 03/08/2021 (E)	575,000	577,286
Service Corp. International		
5.375%, 05/15/2024	1,475,000	1,519,250
Six Flags Entertainment Corp.		
4.875%, 07/31/2024 (D)	770,000	796,950
5.500%, 04/15/2027 (D)	277,000	289,465
The Home Depot, Inc.		
3.250%, 03/01/2022	875,000	902,197
The Home Depot, Inc. (3 month LIBOR + 0.310%)		
2.448%, 03/01/2022 (E)	1,065,000	1,067,844
Yum! Brands, Inc.		
3.750%, 11/01/2021	3,995,000	4,074,900
3.875%, 11/01/2020 to 11/01/2023	4,385,000	4,470,250
5.350%, 11/01/2043	2,394,000	2,352,105
6.875%, 11/15/2037	925,000	1,049,875
		37,593,735
<b>Consumer staples - 1.3%</b>		
Conagra Brands, Inc.		
3.800%, 10/22/2021	3,355,000	3,454,256
Conagra Brands, Inc. (3 month LIBOR + 0.750%)		
2.703%, 10/22/2020 (E)	745,000	745,077
Nestle Holdings, Inc.		
3.100%, 09/24/2021 (D)	4,775,000	4,881,207
Philip Morris International, Inc.		
2.000%, 02/21/2020	1,920,000	1,919,827
2.625%, 02/18/2022	905,000	917,787
Philip Morris International, Inc. (3 month LIBOR + 0.420%)		
2.315%, 02/21/2020 (E)	1,275,000	1,275,886
Reckitt Benckiser Treasury Services PLC		
2.375%, 06/24/2022 (D)	2,925,000	2,941,508
Reckitt Benckiser Treasury Services PLC (3 month LIBOR + 0.560%)		
2.695%, 06/24/2022 (D)(E)	2,460,000	2,464,934
Unilever Capital Corp.		
3.000%, 03/07/2022	1,035,000	1,060,222
		19,660,704
<b>Energy - 0.4%</b>		

**Capital Appreciation Value Fund (continued)**

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
State Street Corp. (5.250% to 9-15-20, then 3 month LIBOR + 3.597%)		
09/15/2020 (F)	\$ 1,550,000	\$ 1,584,875
The Bank of New York Mellon Corp. (4.625% to 9-20-26, then 3 month LIBOR + 3.131%)		
09/20/2026 (F)	1,025,000	1,071,125
The Bank of New York Mellon Corp. (4.950% to 6-20-20, then 3 month LIBOR + 3.420%)		
06/20/2020 (F)	2,450,000	2,477,563
The PNC Financial Services Group, Inc. (5.000% to 11-1-26, then 3 month LIBOR + 3.300%)		
11/01/2026 (F)	2,115,000	2,240,568
U.S. Bancorp (5.300% to 4-15-27, then 3 month LIBOR + 2.914%)		
04/15/2027 (F)	1,155,000	1,248,844
		14,567,864
<b>Health care - 2.7%</b>		
Avantor, Inc.		
6.000%, 10/01/2024 (D)	3,895,000	4,172,519
9.000%, 10/01/2025 (D)	15,701,000	17,467,363
Becton, Dickinson and Company		
2.675%, 12/15/2019	515,000	515,074
2.894%, 06/06/2022	3,385,000	3,436,748
3.363%, 06/06/2024	1,180,000	1,227,746
Becton, Dickinson and Company (3 month LIBOR + 1.030%)		
3.142%, 06/06/2022 (E)	1,895,000	1,914,193
Bristol-Myers Squibb Company		
2.550%, 05/14/2021 (D)	4,015,000	4,054,192
Bristol-Myers Squibb Company (3 month LIBOR + 0.200%)		
2.104%, 11/16/2020 (D)(E)	2,625,000	2,626,419
Elanco Animal Health, Inc.		
3.912%, 08/27/2021	1,775,000	1,820,141
Fresenius Medical Care US Finance, Inc.		
5.750%, 02/15/2021 (D)	575,000	597,024
HCA Healthcare, Inc.		
6.250%, 02/15/2021	750,000	785,625
Hologic, Inc.		
4.375%, 10/15/2025 (D)	1,020,000	1,050,600
Teleflex, Inc.		
4.625%, 11/15/2027	892,000	943,290
4.875%, 06/01/2026	1,311,000	1,369,995
		41,980,929
<b>Industrials - 1.3%</b>		

Enterprise Products Operating LLC 3.500%, 02/01/2022	1,500,000	1,546,191	Caterpillar Financial Services Corp. 2.250%, 12/01/2019	810,000	810,000
NuStar Logistics LP 4.800%, 09/01/2020	1,020,000	1,027,331	Continental Airlines 2012-1 Class A Pass Through Trust 4.150%, 10/11/2025	904,504	949,211
Shell International Finance BV (3 month LIBOR + 0.450%) 2.351%, 05/11/2020 (E)	3,385,000	3,391,241	Continental Airlines 2012-1 Class B Pass Through Trust 6.250%, 10/11/2021	148,425	149,731
		5,964,763	General Electric Company (5.000% to 1-21-21, then 3 month LIBOR + 3.330%) 01/21/2021 (F)	6,766,000	6,618,569
<b>Financials - 0.9%</b>			Lennox International, Inc. 3.000%, 11/15/2023	510,000	513,957
Marsh & McLennan Companies, Inc. 2.350%, 03/06/2020	810,000	810,465	Moog, Inc. 5.250%, 12/01/2022 (D)	70,000	70,875
2.750%, 01/30/2022	865,000	878,312			
3.300%, 03/14/2023	315,000	325,531			
Refinitiv US Holdings, Inc. 6.250%, 05/15/2026 (D)	1,620,000	1,765,800			
8.250%, 11/15/2026 (D)	1,935,000	2,164,781			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Capital Appreciation Value Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Northrop Grumman Corp. 2.550%, 10/15/2022	\$ 2,140,000	\$ 2,170,100
Roper Technologies, Inc. 3.650%, 09/15/2023	1,050,000	1,103,724
Sensata Technologies BV 4.875%, 10/15/2023 (D)	1,057,000	1,120,420
5.000%, 10/01/2025 (D)	1,475,000	1,596,688
5.625%, 11/01/2024 (D)	415,000	456,500
Sensata Technologies UK Financing Company PLC 6.250%, 02/15/2026 (D)	1,525,000	1,638,414
US Airways 2010-1 Class A Pass Through Trust 6.250%, 10/22/2024	45,125	48,946
US Airways 2012-2 Class A Pass Through Trust 4.625%, 12/03/2026	180,388	194,525
US Airways 2012-2 Class B Pass Through Trust 6.750%, 12/03/2022	247,913	255,355
US Airways 2013-1 Class A Pass Through Trust 3.950%, 05/15/2027	424,034	446,160

### Capital Appreciation Value Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Berkshire Hathaway Energy Company 2.400%, 02/01/2020	\$ 980,000	\$ 980,337
DTE Energy Company 3.700%, 08/01/2023	935,000	975,851
Edison International 2.125%, 04/15/2020	751,000	750,425
Eversource Energy 2.750%, 03/15/2022	1,275,000	1,293,200
3.800%, 12/01/2023	530,000	558,433
NextEra Energy Capital Holdings, Inc. 2.900%, 04/01/2022	960,000	977,589
NiSource, Inc. 3.490%, 05/15/2027	2,205,000	2,311,698
4.375%, 05/15/2047	1,125,000	1,258,745
NiSource, Inc. (5.650% to 6-15-23, then 5 Year CMT + 2.843%) 06/15/2023 (F)	2,650,000	2,709,625
Wisconsin Public Service Corp. 3.350%, 11/21/2021	885,000	908,338
		13,074,983
<b>TOTAL CORPORATE BONDS (Cost \$278,135,745)</b>		\$ 287,881,511
<b>TERM LOANS (G) – 5.6%</b>		
<b>Communication services – 0.3%</b>		

US Airways 2013-1 Class B Pass Through Trust 5.375%, 05/15/2023	326,737	339,599	Formula One Management, Ltd., 2018 USD Term Loan (1 month LIBOR + 2.500%) 4.202%, 02/01/2024	2,025,000	2,008,962
Welbilt, Inc. 9.500%, 02/15/2024	1,545,000	1,637,700	Zayo Group LLC, 2017 Incremental Term Loan (1 month LIBOR + 2.250%) 3.952%, 01/19/2024	2,025,000	2,027,531
Xylem, Inc. 3.250%, 11/01/2026 4.875%, 10/01/2021	400,000 100,000	414,740 104,780	Zayo Group LLC, 2017 Term Loan B1 (1 month LIBOR + 2.000%) 3.702%, 01/19/2021	989,848	990,155
<b>Information technology - 1.0%</b>		20,639,994			5,026,648
Amphenol Corp. 2.200%, 04/01/2020	1,400,000	1,400,704	<b>Consumer staples – 0.4%</b>		
Fiserv, Inc. 2.700%, 06/01/2020 3.800%, 10/01/2023	1,590,000 1,080,000	1,594,396 1,140,018	Prestige Brands, Inc., Term Loan B4 (1 month LIBOR + 2.000%) 3.702%, 01/26/2024	109,782	110,135
Solera LLC 10.500%, 03/01/2024 (D)	11,115,000	11,573,494	Sunshine Luxembourg VII Sarl, USD 1st Lien Term Loan (3 month LIBOR + 4.250%) 6.349%, 10/01/2026	5,520,000	5,534,794
<b>Materials - 0.6%</b>		15,708,612			5,644,929
Reynolds Group Issuer, Inc. 5.125%, 07/15/2023 (D) 5.750%, 10/15/2020	1,000,000 5,029,669	1,022,500 5,035,705	<b>Financials – 2.4%</b>		
Reynolds Group Issuer, Inc. (3 month LIBOR + 3.500%) 5.501%, 07/15/2021 (D)(E)	2,660,000	2,666,650	HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 2.750%) 4.690%, 04/25/2025	13,065,068	12,876,147
<b>Real estate - 1.1%</b>		8,724,855	HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 5.903%, 04/25/2025	3,640,000	3,647,426
American Tower Corp. 3.300%, 02/15/2021	965,000	977,994	Refinitiv US Holdings, Inc., 2018 USD Term Loan (1 month LIBOR + 3.750%) 5.452%, 10/01/2025	20,231,862	20,349,814
Crown Castle International Corp. 4.875%, 04/15/2022 5.250%, 01/15/2023	2,950,000 4,575,000	3,128,823 4,982,439	USI, Inc., Incremental Term Loan B TBD 05/16/2024 (H)	85,000	83,849
Equinix, Inc. 5.375%, 01/01/2022 to 04/01/2023	930,000	945,667			36,957,236
SBA Communications Corp. 4.000%, 10/01/2022 4.875%, 07/15/2022 to 09/01/2024	2,800,000 4,635,000	2,852,500 4,727,609	<b>Health care – 0.3%</b>		
<b>Utilities - 0.9%</b>		17,615,032	NVA Holdings, Inc., 2019 Term Loan A3 TBD 09/19/2022 (H)(I)	3,450,000	3,437,063
American Electric Power Company, Inc. 3.650%, 12/01/2021	340,000	350,742			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Capital Appreciation Value Fund (continued)

Shares or Principal Amount	Value
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### Capital Appreciation Value Fund (continued)

#### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate

<b>TERM LOANS (G)(continued)</b>		
<b>Health care (continued)</b>		
NVA Holdings, Inc., Term Loan B3 (Prime rate + 1.750%) 6.500%, 02/02/2025	\$ 2,067,931	\$ 2,065,780
		5,502,843
<b>Industrials – 0.2%</b>		
Trans Union LLC, Term Loan A2 (1 month LIBOR + 1.500%) 3.202%, 08/09/2022	3,759,064	3,736,735
<b>Information technology – 1.9%</b>		
CCC Information Services, Inc., 2017 1st Lien Term Loan (1 month LIBOR + 2.750%) 4.460%, 04/29/2024	7,525,678	7,473,976
Emerald TopCo, Inc., Term Loan (1 month LIBOR + 3.500%) 5.202%, 07/24/2026	1,675,000	1,666,324
Gartner, Inc., 2016 Term Loan A (1 month LIBOR + 1.500%) 3.202%, 03/20/2022	358,275	358,275
Kronos, Inc., 2017 Term Loan B (3 month LIBOR + 3.000%) 4.909%, 11/01/2023	19,516,438	19,502,191
The Ultimate Software Group, Inc., Term Loan B (1 month LIBOR + 3.750%) 5.452%, 05/04/2026	695,000	698,086
		29,698,852
<b>Materials – 0.1%</b>		
HB Fuller Company, 2017 Term Loan B (1 month LIBOR + 2.000%) 3.724%, 10/20/2024	939,143	939,247
<b>TOTAL TERM LOANS (Cost \$87,466,159)</b>		<b>\$ 87,506,490</b>
<b>SHORT-TERM INVESTMENTS – 10.5%</b>		
<b>Short-term funds – 10.5%</b>		
John Hancock Collateral Trust, 1.7887% (J)(K)	1,046,334	10,469,932
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (J)	27,960,635	27,960,635
T. Rowe Price Government Reserve Fund, 1.6309% (J)	126,240,584	126,240,584
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$164,671,708)</b>		<b>\$ 164,671,151</b>
<b>Total Investments (Capital Appreciation Value Fund) (Cost \$1,288,782,465) – 101.6%</b>		<b>\$ 1,584,048,856</b>
<b>Other assets and liabilities, net – (1.6%)</b>		<b>(25,573,570)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 1,558,475,286</b>

- (A) All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
- (B) Non-income producing security.
- (C) All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$10,256,480.
- (D) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
- (E) Variable 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) This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).
- (I) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
- (J) The rate shown is the annualized seven-day yield as of 11-30-19.
- (K) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## DERIVATIVES

### WRITTEN OPTIONS

#### Options on securities

Counterparty (OTC)/ Exchange-traded	Name of issuer	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
<b>Calls</b>							
GSI	Alphabet, Inc., Class A	USD 1,270.00	Jan 2020	9	900	\$ 47,132	\$ (50,234)
GSI	Alphabet, Inc., Class A	USD 1,300.00	Jan 2020	9	900	38,124	(32,811)
GSI	Alphabet, Inc., Class A	USD 1,350.00	Jan 2020	8	800	23,184	(11,409)
CITI	Alphabet, Inc., Class C	USD 1,300.00	Jan 2020	81	8,100	392,004	(297,638)
CITI	Alphabet, Inc., Class C	USD 1,340.00	Jan 2020	21	2,100	166,211	(36,842)
CITI	Alphabet, Inc., Class C	USD 1,350.00	Jan 2020	24	2,400	91,708	(33,828)
CITI	Alphabet, Inc., Class C	USD 1,365.00	Jan 2020	73	7,300	212,886	(72,118)

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Capital Appreciation Value Fund (continued)

#### Options on securities (continued)

Counterparty (OTC)/ Exchange-traded	Name of issuer	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
<b>Calls (continued)</b>							
CITI	Alphabet, Inc., Class C	USD 1,400.00	Jan 2020	21	2,100	\$ 129,491	\$ (7,977)
CITI	Alphabet, Inc., Class C	USD 1,500.00	Jan 2020	21	2,100	85,759	(248)
CITI	Amazon.com, Inc.	USD 1,800.00	Jan 2020	15	1,500	281,040	(80,516)
CITI	Amazon.com, Inc.	USD 2,000.00	Jan 2020	5	500	58,040	(2,177)
CITI	Amazon.com, Inc.	USD 2,025.00	Jan 2020	5	500	54,540	(1,544)
CITI	Amazon.com, Inc.	USD 2,100.00	Jan 2020	5	500	44,790	(583)
CITI	Amazon.com, Inc.	USD 2,300.00	Jan 2020	26	2,600	277,727	(470)
CSFB	Amazon.com, Inc.	USD 2,500.00	Jan 2020	10	1,000	123,525	(72)
CSFB	Amazon.com, Inc.	USD 2,600.00	Jan 2020	11	1,100	112,904	(60)
CSFB	Amazon.com, Inc.	USD 2,700.00	Jan 2020	11	1,100	94,001	(48)
CITI	American Electric Power Company, Inc.	USD 85.00	Jan 2020	673	67,300	95,234	(461,625)
CITI	American Electric Power Company, Inc.	USD 95.00	Jan 2020	458	45,800	80,055	(24,226)
CSFB	American Tower Corp.	USD 170.00	Jan 2020	119	11,900	127,352	(527,090)
CITI	American Tower Corp.	USD 175.00	Jan 2020	83	8,300	59,066	(326,524)
CSFB	American Tower Corp.	USD 175.00	Jan 2020	252	25,200	196,444	(991,375)
CITI	Danaher Corp.	USD 150.00	Jan 2020	78	7,800	20,470	(19,163)
JPM	Facebook, Inc., Class A	USD 200.00	Jan 2020	230	23,000	225,418	(180,901)
JPM	Facebook, Inc., Class A	USD 220.00	Jan 2020	395	39,500	167,024	(46,660)
JPM	Facebook, Inc., Class A	USD 220.00	Jan 2020	15	1,500	13,556	(1,772)
CSFB	Fiserv, Inc.	USD 95.00	Dec 2019	191	19,100	46,967	(407,521)
CITI	McDonald's Corp.	USD 195.00	Jan 2020	108	10,800	108,513	(42,922)
CSFB	McDonald's Corp.	USD 195.00	Jan 2020	47	4,700	35,593	(18,679)
CITI	McDonald's Corp.	USD 200.00	Jan 2020	108	10,800	89,572	(19,941)
CSFB	McDonald's Corp.	USD 200.00	Jan 2020	3	300	1,847	(554)
CITI	Microsoft Corp.	USD 120.00	Jan 2020	218	21,800	135,241	(693,167)
CITI	Microsoft Corp.	USD 125.00	Jan 2020	398	39,800	229,101	(1,068,945)

CSFB	Microsoft Corp.	USD	125.00	Jan 2020	474	47,400	219,016	(1,273,063)
CITI	Microsoft Corp.	USD	130.00	Jan 2020	399	39,900	174,428	(876,163)
CSFB	Microsoft Corp.	USD	130.00	Jan 2020	109	10,900	36,057	(239,353)
RBC	Microsoft Corp.	USD	130.00	Jan 2020	371	37,100	106,088	(814,678)
CITI	Microsoft Corp.	USD	135.00	Jan 2020	404	40,400	235,595	(692,630)
CSFB	Microsoft Corp.	USD	165.00	Jan 2021	283	28,300	191,053	(264,415)
CSFB	Microsoft Corp.	USD	165.00	Jan 2021	270	27,000	186,840	(252,269)
CITI	S&P Global, Inc.	USD	220.00	Jan 2020	161	16,100	155,420	(734,824)
CITI	S&P Global, Inc.	USD	230.00	Jan 2020	161	16,100	92,797	(579,119)
JPM	Texas Instruments, Inc.	USD	120.00	Jan 2020	166	16,600	42,446	(63,478)
RBC	Texas Instruments, Inc.	USD	125.00	Jan 2020	763	76,300	251,383	(120,025)
GSI	Texas Instruments, Inc.	USD	130.00	Jan 2020	37	3,700	26,851	(1,697)
JPM	Texas Instruments, Inc.	USD	130.00	Jan 2020	354	35,400	136,772	(16,241)
GSI	Texas Instruments, Inc.	USD	135.00	Jan 2020	1	100	422	(9)
GSI	Texas Instruments, Inc.	USD	140.00	Jan 2020	1	100	262	(1)
GSI	Texas Instruments, Inc.	USD	135.00	Jan 2021	113	11,300	73,509	(74,081)
GSI	Texas Instruments, Inc.	USD	140.00	Jan 2021	114	11,400	57,658	(58,759)
CSFB	The PNC Financial Services Group, Inc.	USD	140.00	Jan 2020	285	28,500	148,913	(410,556)
CITI	UnitedHealth Group, Inc.	USD	270.00	Jan 2020	65	6,500	72,057	(97,519)
CITI	UnitedHealth Group, Inc.	USD	280.00	Jan 2020	66	6,600	72,264	(59,162)
CITI	UnitedHealth Group, Inc.	USD	290.00	Jan 2020	92	9,200	167,124	(43,212)
GSI	UnitedHealth Group, Inc.	USD	290.00	Jan 2020	40	4,000	73,203	(18,788)
CITI	UnitedHealth Group, Inc.	USD	300.00	Jan 2020	49	4,900	72,743	(10,405)
GSI	UnitedHealth Group, Inc.	USD	310.00	Jan 2020	8	800	6,626	(663)
CSFB	Visa, Inc., Class A	USD	150.00	Jan 2020	157	15,700	145,445	(549,954)
CSFB	Visa, Inc., Class A	USD	155.00	Jan 2020	157	15,700	118,158	(472,757)
CSFB	Visa, Inc., Class A	USD	160.00	Jan 2020	248	24,800	170,966	(626,007)
CSFB	Visa, Inc., Class A	USD	165.00	Jan 2020	197	19,700	99,464	(402,200)
CSFB	Visa, Inc., Class A	USD	170.00	Jan 2020	185	18,500	96,959	(294,849)
GSI	Visa, Inc., Class A	USD	170.00	Jan 2020	187	18,700	108,849	(298,037)
CSFB	Visa, Inc., Class A	USD	175.00	Jan 2020	185	18,500	66,545	(215,293)
GSI	Visa, Inc., Class A	USD	175.00	Jan 2020	445	44,500	211,562	(517,868)
GSI	Visa, Inc., Class A	USD	180.00	Jan 2020	146	14,600	96,477	(113,725)
CITI	Yum! Brands, Inc.	USD	100.00	Jan 2020	215	21,500	78,062	(71,847)
BOA	Yum! Brands, Inc.	USD	115.00	Jan 2020	68	6,800	8,344	(444)
CITI	Yum! Brands, Inc.	USD	115.00	Jan 2020	42	4,200	14,994	(274)
CITI	Yum! Brands, Inc.	USD	115.00	Jan 2020	105	10,500	37,485	(686)
CITI	Yum! Brands, Inc.	USD	115.00	Jan 2020	41	4,100	8,282	(268)
CITI	Yum! Brands, Inc.	USD	115.00	Jan 2020	32	3,200	6,464	(209)

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Capital Appreciation Value Fund (continued)

#### Options on securities (continued)

Counterparty (OTC)/ Exchange-traded	Name of issuer	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
<b>Calls (continued)</b>							

CITI	Yum! Brands, Inc.	USD	115.00	Jan 2020	81	8,100	\$ 14,851	\$ (529)
BOA	Yum! Brands, Inc.	USD	120.00	Jan 2020	69	6,900	2,834	(80)
CITI	Yum! Brands, Inc.	USD	120.00	Jan 2020	43	4,300	7,958	(50)
CITI	Yum! Brands, Inc.	USD	120.00	Jan 2020	109	10,900	19,729	(127)
CITI	Yum! Brands, Inc.	USD	120.00	Jan 2020	42	4,200	3,108	(49)
CITI	Yum! Brands, Inc.	USD	120.00	Jan 2020	32	3,200	2,368	(37)
CITI	Yum! Brands, Inc.	USD	120.00	Jan 2020	82	8,200	5,328	(96)
							<b>\$7,788,278</b>	<b>\$(15,726,136)</b>

#### Derivatives Currency Abbreviations

USD U.S. Dollar

#### Derivatives Abbreviations

BOA Bank of America, N.A.  
CITI Citibank, N.A.  
CSFB Credit Suisse First Boston International  
GSI Goldman Sachs International  
JPM JPMorgan Chase Bank, N.A.  
OTC Over-the-counter  
RBC Royal Bank of Canada

## Core Bond Fund

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 54.2%</b>		
<b>U.S. Government – 25.3%</b>		
U.S. Treasury Bonds		
2.250%, 08/15/2046 to 08/15/2049	\$ 8,689,000	\$ 8,764,464
2.375%, 11/15/2049	9,407,000	9,764,172
2.500%, 05/15/2046	30,328,000	32,084,892
2.875%, 05/15/2049	12,784,000	14,634,684
3.000%, 11/15/2044	34,631,000	39,948,752
3.125%, 02/15/2043 to 08/15/2044	77,029,000	90,367,844
U.S. Treasury Notes		
1.125%, 09/30/2021	4,561,000	4,517,884
1.375%, 08/31/2020 to 10/15/2022	33,094,000	32,964,387
1.500%, 11/30/2021 to 11/30/2024	21,417,000	21,328,822
1.625%, 11/15/2022 to 10/31/2026	78,882,000	78,624,988
1.750%, 07/15/2022 to 11/15/2029	13,903,000	13,884,203
2.250%, 05/15/2022 to 11/15/2025	25,651,000	26,164,525
2.375%, 02/29/2024 to 04/30/2026	23,278,000	24,187,060
2.500%, 06/30/2020 to 01/15/2022	23,718,000	24,110,925
2.625%, 11/15/2020 to 01/31/2026	98,749,000	100,828,138

## Core Bond Fund (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)		
2.659%, (12 month LIBOR + 1.585%), 01/01/2046 (B)	\$ 9,744,157	\$ 9,889,983
2.743%, (12 month LIBOR + 1.579%), 06/01/2045 (B)	2,666,097	2,709,153
2.956%, (12 month LIBOR + 1.599%), 08/01/2047 (B)	1,058,059	1,080,709
3.000%, TBA (A)	14,200,000	14,393,032
3.000%, 01/01/2043 to 12/01/2049	26,491,984	26,943,297
3.102%, (12 month LIBOR + 1.620%), 03/01/2047 (B)	1,222,074	1,252,033
3.500%, TBA (A)	28,900,000	29,668,172
3.500%, 08/01/2048 to 11/01/2049	42,738,963	44,664,564
4.000%, 07/01/2033 to 10/01/2049	157,576,528	167,069,790
4.500%, 05/01/2034 to 08/01/2049	34,353,796	37,248,823
5.000%, 07/01/2044 to 08/01/2049	93,794,476	103,672,600
5.500%, 12/01/2048 to 06/01/2049	12,909,550	14,433,061
Government National		
Mortgage Association		
3.000%, TBA (A)	55,700,000	57,223,243
3.500%, TBA (A)	45,600,000	47,128,311
3.500%, 01/20/2048	1,949,212	2,055,738
4.000%, 10/20/2047 to 08/20/2049	30,347,337	31,907,958
4.500%, 08/15/2047 to 05/20/2049	14,594,626	15,635,642
5.000%, 12/20/2039 to 09/20/2049	36,973,517	39,368,257
		<b>834,372,419</b>

2.750%, 04/30/2023 to 08/31/2025	151,612,000	157,993,922
2.875%, 11/15/2021	18,583,000	19,020,717
3.000%, 10/31/2025	27,612,000	29,632,206
		728,822,585
<b>U.S. Government Agency – 28.9%</b>		
Federal Home Loan Mortgage Corp.		
2.500%, 06/01/2028	3,186,390	3,226,833
3.000%, 12/01/2049	9,192,000	9,330,025
3.500%, 02/01/2048 to 11/01/2049	45,662,073	47,750,012
4.000%, 01/01/2035 to 09/01/2049	85,137,267	90,494,254
4.500%, 06/01/2039 to 07/01/2039	127,809	138,310
5.000%, 05/01/2048	3,254,900	3,584,218
Federal National Mortgage Association		
2.500%, TBA (A)	29,400,000	29,108,296
2.500%, 08/01/2031	2,289,515	2,317,385
2.620%, (12 month LIBOR + 1.583%), 05/01/2045 (B)	2,049,166	2,078,720

TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$1,551,845,470)	\$	1,563,195,004
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.6%</b>		
<b>Japan – 0.1%</b>		
Japan Bank for International Cooperation		
1.750%, 10/17/2024	2,664,000	2,630,997

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Mexico – 0.3%</b>		
Government of Mexico		
4.500%, 04/22/2029	\$ 6,826,000	\$ 7,481,296
4.600%, 02/10/2048	1,722,000	1,855,472
		9,336,768
<b>Paraguay – 0.1%</b>		
Republic of Paraguay		
5.400%, 03/30/2050 (C)	1,478,000	1,653,882
<b>United Arab Emirates – 0.1%</b>		
Abu Dhabi Government		
2.125%, 09/30/2024 (C)	1,537,000	1,529,315
2.500%, 09/30/2029 (C)	1,394,000	1,385,371
3.125%, 09/30/2049 (C)	1,228,000	1,196,318
		4,111,004

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Verizon Communications, Inc. (continued)		
4.672%, 03/15/2055	\$ 254,000	\$ 317,731
5.012%, 04/15/2049	472,000	607,180
5.500%, 03/16/2047	920,000	1,250,497
Vodafone Group PLC		
4.250%, 09/17/2050	3,711,000	3,851,308
		64,339,088
<b>Consumer discretionary – 0.8%</b>		
Ford Motor Company		
4.750%, 01/15/2043	4,731,000	4,124,692
Ford Motor Credit Company LLC		
4.063%, 11/01/2024	2,930,000	2,944,961
General Motors Company		
5.400%, 04/01/2048	716,000	727,005

TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$16,725,888)			\$ 17,732,651			
<b>CORPORATE BONDS – 26.3%</b>						
<b>Communication services – 2.2%</b>						
AT&T, Inc.						
3.000%, 02/15/2022 to 06/30/2022	2,420,000	2,468,707		5.950%, 04/01/2049	1,566,000	1,700,999
3.400%, 05/15/2025	1,939,000	2,024,486		Hyundai Capital America		
3.800%, 02/15/2027	773,000	821,845		3.500%, 11/02/2026 (C)	385,000	387,538
3.900%, 03/11/2024	921,000	975,285		Lowe's Companies, Inc.		
4.300%, 02/15/2030	674,000	740,910		3.650%, 04/05/2029	4,540,000	4,865,944
4.500%, 03/09/2048	478,000	520,553		McDonald's Corp.		
4.850%, 03/01/2039	952,000	1,083,733		2.625%, 09/01/2029	2,944,000	2,942,457
5.150%, 02/15/2050	2,119,000	2,525,987		4.450%, 09/01/2048	1,139,000	1,328,830
5.250%, 03/01/2037	567,000	674,502		Starbucks Corp.		
5.350%, 12/15/2043	476,000	566,856		3.750%, 12/01/2047	1,336,000	1,382,129
5.375%, 10/15/2041	761,000	887,748		3.800%, 08/15/2025	103,000	110,924
5.450%, 03/01/2047	686,000	838,523		The Home Depot, Inc.		
5.700%, 03/01/2057	567,000	720,338		4.500%, 12/06/2048	937,000	1,170,361
Charter Communications Operating LLC				The Trustees of the University of Pennsylvania		
4.464%, 07/23/2022	932,000	977,829		3.610%, 12/31/2099	954,000	1,036,904
4.800%, 03/01/2050	2,590,000	2,699,954				22,722,744
5.375%, 05/01/2047	822,000	915,517		<b>Consumer staples – 2.2%</b>		
Comcast Corp.				Altria Group, Inc.		
2.650%, 02/01/2030	3,756,000	3,772,070		4.800%, 02/14/2029	2,052,000	2,268,635
3.450%, 10/01/2021 to 02/01/2050	3,652,000	3,751,565		5.950%, 02/14/2049	500,000	602,380
3.700%, 04/15/2024	1,907,000	2,028,081		Anheuser-Busch Companies LLC		
3.950%, 10/15/2025	1,725,000	1,880,983		3.650%, 02/01/2026	1,431,000	1,533,871
4.000%, 03/01/2048	1,447,000	1,618,586		4.700%, 02/01/2036	1,040,000	1,210,925
4.150%, 10/15/2028	971,000	1,094,656		4.900%, 02/01/2046	4,089,000	4,911,570
4.600%, 10/15/2038	2,415,000	2,901,697		Anheuser-Busch InBev Worldwide, Inc.		
4.700%, 10/15/2048	484,000	600,971		4.150%, 01/23/2025	2,998,000	3,264,107
4.950%, 10/15/2058	722,000	943,026		4.600%, 04/15/2048	388,000	450,179
Discovery Communications LLC				4.900%, 01/23/2031	1,697,000	2,029,466
5.300%, 05/15/2049	506,000	584,138		5.550%, 01/23/2049	1,246,000	1,652,577
Rogers Communications, Inc.				BAT Capital Corp.		
3.700%, 11/15/2049	2,127,000	2,179,615		3.215%, 09/06/2026	1,032,000	1,033,204
Telefonica Emisiones SA				3.222%, 08/15/2024	1,507,000	1,534,217
5.520%, 03/01/2049	1,958,000	2,416,449		3.462%, 09/06/2029	1,036,000	1,027,998
The Walt Disney Company				3.557%, 08/15/2027	1,032,000	1,051,187
1.750%, 08/30/2024	2,890,000	2,862,140		4.540%, 08/15/2047	301,000	293,733
2.000%, 09/01/2029	1,926,000	1,870,741		Constellation Brands, Inc.		
2.750%, 09/01/2049	438,000	421,591		3.150%, 08/01/2029	3,606,000	3,642,511
Time Warner Cable LLC				3.200%, 02/15/2023	480,000	493,386
6.550%, 05/01/2037	674,000	823,480		3.500%, 05/09/2027	686,000	719,189
Verizon Communications, Inc.				3.600%, 02/15/2028	1,515,000	1,608,591
4.016%, 12/03/2029	1,044,000	1,164,183		3.700%, 12/06/2026	809,000	865,075
4.125%, 08/15/2046	2,308,000	2,616,308		4.400%, 11/15/2025	147,000	161,292
4.272%, 01/15/2036	424,000	483,766		5.250%, 11/15/2048	477,000	588,180
4.329%, 09/21/2028	1,665,000	1,888,396		Costco Wholesale Corp.		
4.400%, 11/01/2034	2,066,000	2,397,698		3.000%, 05/18/2027	3,263,000	3,455,128
4.522%, 09/15/2048	472,000	569,459		Danone SA		
				2.947%, 11/02/2026 (C)	6,800,000	7,019,627
				Kraft Heinz Foods Company		
				2.800%, 07/02/2020	397,000	398,333

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
Kraft Heinz Foods Company (continued)		
3.000%, 06/01/2026	\$ 1,430,000	\$ 1,424,776
4.375%, 06/01/2046	957,000	932,037
Reynolds American, Inc.		
5.850%, 08/15/2045	747,000	844,687
The Estee Lauder Companies, Inc.		
2.375%, 12/01/2029	1,405,000	1,402,613
3.125%, 12/01/2049	2,248,000	2,275,463
The Hershey Company		
2.050%, 11/15/2024	2,009,000	2,012,694
Walmart, Inc.		
2.375%, 09/24/2029	2,328,000	2,339,949
2.950%, 09/24/2049	1,693,000	1,702,396
3.550%, 06/26/2025	2,502,000	2,694,887
3.700%, 06/26/2028	4,469,000	4,941,115
4.050%, 06/29/2048	488,000	584,288
		62,970,266
<b>Energy – 3.0%</b>		
BP Capital Markets America, Inc.		
3.796%, 09/21/2025	1,915,000	2,065,941
3.937%, 09/21/2028	2,064,000	2,273,738
Cimarex Energy Company		
4.375%, 03/15/2029	3,120,000	3,238,973
Devon Energy Corp.		
5.600%, 07/15/2041	1,574,000	1,913,448
Ecopetrol SA		
5.875%, 05/28/2045	932,000	1,067,140
Enbridge, Inc.		
2.500%, 01/15/2025	5,100,000	5,106,217
2.900%, 07/15/2022	2,046,000	2,079,018
3.125%, 11/15/2029	3,131,000	3,154,499
Encana Corp.		
6.500%, 02/01/2038	987,000	1,158,145
6.625%, 08/15/2037	892,000	1,058,662
Energy Transfer Operating LP		
5.500%, 06/01/2027	1,209,000	1,336,139
5.875%, 01/15/2024	1,843,000	2,030,048
6.125%, 12/15/2045	1,052,000	1,186,426
Enterprise Products Operating LLC		
3.125%, 07/31/2029	2,242,000	2,282,128

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Noble Energy, Inc. (continued)		
4.200%, 10/15/2049	\$ 738,000	\$ 713,225
4.950%, 08/15/2047	1,665,000	1,774,818
5.050%, 11/15/2044	1,375,000	1,463,362
Occidental Petroleum Corp.		
4.850%, 03/15/2021	890,000	917,459
7.500%, 05/01/2031	515,000	671,742
Petroleos Mexicanos		
2.378%, 04/15/2025	481,250	486,455
2.460%, 12/15/2025	2,210,650	2,184,556
6.350%, 02/12/2048	5,010,000	4,707,546
6.500%, 03/13/2027	603,000	629,294
6.750%, 09/21/2047	2,044,000	2,010,376
Plains All American Pipeline LP		
3.550%, 12/15/2029	3,060,000	2,950,201
4.900%, 02/15/2045	1,804,000	1,744,886
Schlumberger Finance Canada, Ltd.		
2.650%, 11/20/2022 (C)	1,931,000	1,962,124
Shell International Finance BV		
2.000%, 11/07/2024	4,777,000	4,756,895
3.125%, 11/07/2049	957,000	956,757
Sunoco Logistics Partners Operations LP		
5.300%, 04/01/2044	1,772,000	1,830,773
5.350%, 05/15/2045	128,000	132,416
5.400%, 10/01/2047	472,000	497,025
The Williams Companies, Inc.		
3.900%, 01/15/2025	694,000	723,364
Total Capital International SA		
2.434%, 01/10/2025	2,179,000	2,202,055
2.829%, 01/10/2030	2,226,000	2,290,095
Western Midstream Operating LP		
5.500%, 08/15/2048	1,003,000	852,903
		86,418,178
<b>Financials – 6.4%</b>		
American International Group, Inc.		
4.200%, 04/01/2028	1,479,000	1,630,407
4.250%, 03/15/2029	964,000	1,068,001
4.500%, 07/16/2044	813,000	928,362
Banco Santander SA		
2.706%, 06/27/2024	2,800,000	2,828,880

4.200%, 01/31/2050	1,819,000	1,946,456	3.306%, 06/27/2029	1,600,000	1,649,780
4.800%, 02/01/2049	577,000	668,454	Bank of America Corp. (4.330% to 3-15-49, then 3 month LIBOR + 1.520%) 03/15/2050	814,000	979,768
Equinor ASA			Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	8,584,000	8,612,252
3.250%, 11/18/2049	1,405,000	1,447,890	Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	4,690,000	4,833,278
Hess Corp.			Bank of America Corp. (3.366% to 1-23-25, then 3 month LIBOR + 0.810%) 01/23/2026	2,431,000	2,537,234
3.500%, 07/15/2024	416,000	426,012	Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	6,714,000	7,039,227
5.800%, 04/01/2047	174,000	206,417	Bank of America Corp. (3.559% to 4-23-26, then 3 month LIBOR + 1.060%) 04/23/2027	3,021,000	3,187,271
6.000%, 01/15/2040	1,420,000	1,640,978	Bank of America Corp. (4.271% to 7-23-28, then 3 month LIBOR + 1.310%) 07/23/2029	4,947,000	5,504,941
7.125%, 03/15/2033	349,000	437,977	Banque Federative du Credit Mutuel SA		
Kinder Morgan Energy Partners LP			2.375%, 11/21/2024 (C)	2,400,000	2,394,735
7.300%, 08/15/2033	151,000	200,002			
Marathon Oil Corp.					
6.600%, 10/01/2037	254,000	313,256			
Marathon Petroleum Corp.					
3.625%, 09/15/2024	2,590,000	2,715,037			
4.500%, 04/01/2048	937,000	988,705			
4.750%, 12/15/2023	787,000	852,213			
MPLX LP					
3.500%, 12/01/2022 (C)	1,135,000	1,162,031			
5.200%, 12/01/2047 (C)	1,409,000	1,471,708			
5.500%, 02/15/2049	1,293,000	1,423,761			
National Oilwell Varco, Inc.					
3.600%, 12/01/2029	2,606,000	2,541,907			
Noble Energy, Inc.					
3.250%, 10/15/2029	1,582,000	1,566,525			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
BB&T Corp.		
2.500%, 08/01/2024	\$ 5,825,000	\$ 5,877,961
BNP Paribas SA		
4.400%, 08/14/2028 (C)	693,000	770,018
BNP Paribas SA (2.819% to 11-19-24, then 3 month LIBOR + 1.111%) 11/19/2025 (C)	6,118,000	6,148,117
BPCE SA		
2.700%, 10/01/2029 (C)	3,832,000	3,814,376
Burlington Northern Santa Fe LLC		
3.550%, 02/15/2050	1,633,000	1,742,546
4.900%, 04/01/2044	543,000	679,812
Citibank NA (2.844% to 5-20-21, then 3 month LIBOR + 0.596%) 05/20/2022	5,927,000	5,989,746

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
JPMorgan Chase & Co. (3.702% to 5-6-29, then 3 month LIBOR + 1.160%) 05/06/2030	\$ 484,000	\$ 520,816
JPMorgan Chase & Co. (3.797% to 7-23-23, then 3 month LIBOR + 0.890%) 07/23/2024	484,000	509,133
JPMorgan Chase & Co. (3.882% to 7-24-37, then 3 month LIBOR + 1.360%) 07/24/2038	1,439,000	1,583,444
JPMorgan Chase & Co. (3.897% to 1-23-48, then 3 month LIBOR + 1.220%) 01/23/2049	1,775,000	2,004,424
JPMorgan Chase & Co. (4.005% to 4-23-28, then 3 month LIBOR + 1.120%) 04/23/2029	1,265,000	1,387,185

Citigroup, Inc. (2.312% to 11-4-21, then SOFR + 0.867%) 11/04/2022	3,345,000	3,351,749	JPMorgan Chase & Co. (4.023% to 12-5-23, then 3 month LIBOR + 1.000%) 12/05/2024	940,000	1,000,072
Citigroup, Inc. (2.976% to 11-5-29, then SOFR + 1.422%) 11/05/2030	2,803,000	2,832,469	KeyCorp 2.550%, 10/01/2029	3,677,000	3,596,850
Citigroup, Inc. (3.980% to 3-20-29, then 3 month LIBOR + 1.338%) 03/20/2030	1,902,000	2,072,591	Liberty Mutual Group, Inc. 3.951%, 10/15/2050 (C)	211,000	215,233
Commonwealth Bank of Australia 3.743%, 09/12/2039 (C)	806,000	805,294	4.569%, 02/01/2029 (C)	2,688,000	3,027,721
Commonwealth Bank of Australia (3.610% to 9-12-29, then 5 Year CMT + 2.050%) 09/12/2034 (C)	2,018,000	2,029,137	Lincoln National Corp. 3.050%, 01/15/2030	3,216,000	3,235,211
Credit Agricole SA 2.375%, 01/22/2025 (C)	3,643,000	3,631,969	MDGH - GMTN BV 2.875%, 11/07/2029 (C)	2,295,000	2,295,248
Danske Bank A/S (3.001% to 9-20-21, then 3 month LIBOR + 1.249%) 09/20/2022 (C)	4,966,000	5,000,412	Mizuho Financial Group, Inc. (2.721% to 7-16-22, then 3 month LIBOR + 0.840%) 07/16/2023	2,507,000	2,532,864
Danske Bank A/S (3.244% to 12-20-24, then 3 month LIBOR + 1.591%) 12/20/2025 (C)	4,675,000	4,714,195	Mizuho Financial Group, Inc. (3.153% to 7-16-29, then 3 month LIBOR + 1.130%) 07/16/2030	1,511,000	1,544,630
GE Capital International Funding Company Unlimited Company 2.342%, 11/15/2020	647,000	646,323	Morgan Stanley 2.625%, 11/17/2021	3,858,000	3,899,810
4.418%, 11/15/2035	4,215,000	4,536,998	Morgan Stanley (3.971% to 7-22-37, then 3 month LIBOR + 1.455%) 07/22/2038	466,000	513,762
HSBC Holdings PLC (2.633% to 11-7-24, then 3 month LIBOR + 1.140%) 11/07/2025	3,630,000	3,618,115	Morgan Stanley (4.457% to 4-22-38, then 3 month LIBOR + 1.431%) 04/22/2039	908,000	1,057,470
HSBC Holdings PLC (3.803% to 3-11-24, then 3 month LIBOR + 1.211%) 03/11/2025	2,645,000	2,764,577	Nationwide Financial Services, Inc. 3.900%, 11/30/2049 (C)	2,417,000	2,473,655
HSBC Holdings PLC (3.973% to 5-22-29, then 3 month LIBOR + 1.610%) 05/22/2030	1,325,000	1,416,658	Prudential Financial, Inc. 3.700%, 03/13/2051	605,000	629,090
HSBC Holdings PLC (4.041% to 3-13-27, then 3 month LIBOR + 1.546%) 03/13/2028	887,000	943,355	4.350%, 02/25/2050	1,661,000	1,924,009
JPMorgan Chase & Co. 2.950%, 10/01/2026	1,775,000	1,831,219	Royal Bank of Canada 2.250%, 11/01/2024	4,219,000	4,208,926
JPMorgan Chase & Co. (2.301% to 10-15-24, then SOFR + 1.160%) 10/15/2025	4,338,000	4,328,589	Societe Generale SA 2.625%, 10/16/2024 (C)	2,215,000	2,200,688
JPMorgan Chase & Co. (2.739% to 10-15-29, then SOFR + 1.510%) 10/15/2030	6,192,000	6,177,679	Spirit Realty LP 3.400%, 01/15/2030	1,186,000	1,189,811
JPMorgan Chase & Co. (3.220% to 3-1-24, then 3 month LIBOR + 1.155%) 03/01/2025	559,000	578,227	State Street Corp. (2.354% to 11-1-24, then SOFR + 0.940%) 11/01/2025	3,650,000	3,660,941
JPMorgan Chase & Co. (3.559% to 4-23-23, then 3 month LIBOR + 0.730%) 04/23/2024	967,000	1,007,688	Sumitomo Mitsui Financial Group, Inc. 2.696%, 07/16/2024	4,981,000	5,035,788
			3.040%, 07/16/2029	4,922,000	5,031,009
			The Charles Schwab Corp. 3.250%, 05/22/2029	4,302,000	4,530,331
			Trust F/1401 6.390%, 01/15/2050 (C)	1,271,000	1,352,026
			UBS Group AG (3.126% to 8-13-29, then 3 month LIBOR + 1.468%) 08/13/2030 (C)	2,629,000	2,668,631

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Westpac Banking Corp. (4.110% to 7-24-29, then 5 Year CMT + 2.000%) 07/24/2034	\$ 1,162,000	\$ 1,204,482
		185,537,216
<b>Health care – 4.0%</b>		
Abbott Laboratories		
3.750%, 11/30/2026	1,749,000	1,917,648
4.900%, 11/30/2046	2,688,000	3,569,962
AbbVie, Inc.		
2.300%, 11/21/2022 (C)	8,707,000	8,721,729
2.500%, 05/14/2020	3,668,000	3,674,075
2.600%, 11/21/2024 (C)	7,682,000	7,722,630
2.950%, 11/21/2026 (C)	1,543,000	1,557,492
3.200%, 11/21/2029 (C)	3,174,000	3,220,509
4.050%, 11/21/2039 (C)	585,000	609,830
4.250%, 11/21/2049 (C)	1,592,000	1,673,011
Aetna, Inc.		
3.875%, 08/15/2047	773,000	779,332
Becton, Dickinson and Company		
2.404%, 06/05/2020	3,212,000	3,217,705
3.363%, 06/06/2024	1,082,000	1,125,780
3.700%, 06/06/2027	1,055,000	1,129,333
3.734%, 12/15/2024	2,558,000	2,708,671
4.685%, 12/15/2044	1,194,000	1,409,067
Boston Scientific Corp.		
3.750%, 03/01/2026	1,578,000	1,699,423
4.000%, 03/01/2029	2,108,000	2,347,119
4.700%, 03/01/2049	1,521,000	1,863,937
Bristol-Myers Squibb Company		
2.600%, 05/16/2022 (C)	4,175,000	4,246,413
2.750%, 02/15/2023 (C)	3,704,000	3,776,487
2.875%, 02/19/2021 (C)	1,027,000	1,037,961
2.900%, 07/26/2024 (C)	2,276,000	2,347,263
3.200%, 06/15/2026 (C)	1,994,000	2,095,721
3.400%, 07/26/2029 (C)	2,439,000	2,617,224
3.900%, 02/20/2028 (C)	550,000	602,300
4.125%, 06/15/2039 (C)	242,000	279,585
4.250%, 10/26/2049 (C)	1,728,000	2,052,221
4.350%, 11/15/2047 (C)	511,000	603,852
Cigna Corp.		
3.400%, 09/17/2021	2,169,000	2,216,728
3.400%, 03/01/2027 (C)	2,514,000	2,610,196
3.750%, 07/15/2023	2,676,000	2,797,587
4.375%, 10/15/2028	1,142,000	1,266,819
4.800%, 08/15/2038	210,000	242,969
4.900%, 12/15/2048	1,229,000	1,455,822
CVS Health Corp.		

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Merck & Company, Inc.		
3.400%, 03/07/2029	\$ 1,705,000	\$ 1,852,849
3.700%, 02/10/2045	684,000	769,316
4.000%, 03/07/2049	615,000	732,451
Pfizer, Inc.		
2.800%, 03/11/2022	948,000	968,064
3.000%, 12/15/2026	496,000	524,281
4.100%, 09/15/2038	543,000	632,947
UnitedHealth Group, Inc.		
2.375%, 08/15/2024	2,680,000	2,705,225
2.875%, 08/15/2029	2,676,000	2,755,177
3.500%, 08/15/2039	1,531,000	1,622,507
3.700%, 12/15/2025 to 08/15/2049	1,815,000	1,955,767
3.875%, 08/15/2059	1,067,000	1,148,095
		114,790,546
<b>Industrials – 1.8%</b>		
Caterpillar Financial Services Corp.		
2.150%, 11/08/2024	2,606,000	2,607,122
Caterpillar, Inc.		
2.600%, 09/19/2029	1,640,000	1,659,866
3.250%, 09/19/2049	1,833,000	1,873,249
Crowley Conro LLC		
4.181%, 08/15/2043	897,600	1,017,101
CSX Corp.		
2.400%, 02/15/2030	1,155,000	1,129,021
3.350%, 09/15/2049	1,957,000	1,929,084
4.300%, 03/01/2048	126,000	145,671
4.750%, 11/15/2048	686,000	843,231
General Electric Company		
2.700%, 10/09/2022	471,000	474,930
3.100%, 01/09/2023	344,000	352,002
5.875%, 01/14/2038	1,194,000	1,463,408
Lockheed Martin Corp.		
4.070%, 12/15/2042	1,007,000	1,161,310
4.090%, 09/15/2052	801,000	942,405
Northrop Grumman Corp.		
2.550%, 10/15/2022	3,117,000	3,160,843
2.930%, 01/15/2025	139,000	142,805
3.250%, 08/01/2023 to 01/15/2028	3,224,000	3,354,619
The Boeing Company		
2.700%, 05/01/2022 to 02/01/2027	4,759,000	4,839,948
2.950%, 02/01/2030	1,761,000	1,814,595
3.100%, 05/01/2026	2,673,000	2,783,041
3.500%, 03/01/2039	1,027,000	1,073,246
3.750%, 02/01/2050	371,000	400,912
3.900%, 05/01/2049	1,293,000	1,436,297

2.625%, 08/15/2024	1,281,000	1,291,302	Union Pacific Corp.		
3.000%, 08/15/2026	1,067,000	1,091,907	2.950%, 03/01/2022	1,745,000	1,783,319
3.700%, 03/09/2023	979,000	1,019,458	3.150%, 03/01/2024	830,000	864,226
4.000%, 12/05/2023	1,435,000	1,517,180	4.300%, 03/01/2049	255,000	296,478
4.100%, 03/25/2025	2,121,000	2,277,609	United Technologies Corp.		
4.780%, 03/25/2038	1,044,000	1,185,860	2.800%, 05/04/2024	1,327,000	1,361,007
5.050%, 03/25/2048	274,000	324,177	3.100%, 06/01/2022	1,800,000	1,848,340
Danaher Corp.			3.650%, 08/16/2023	5,350,000	5,639,605
3.350%, 09/15/2025	1,980,000	2,088,440	3.950%, 08/16/2025	1,388,000	1,508,907
DH Europe Finance II Sarl			4.125%, 11/16/2028	849,000	955,240
2.050%, 11/15/2022	1,570,000	1,570,183	4.450%, 11/16/2038	1,289,000	1,536,785
2.200%, 11/15/2024	2,689,000	2,683,969	4.625%, 11/16/2048	1,404,000	1,758,633
2.600%, 11/15/2029	1,057,000	1,061,447			
3.400%, 11/15/2049	1,574,000	1,620,654	<b>Information technology – 2.0%</b>		
Edwards Lifesciences Corp.			Apple, Inc.		
4.300%, 06/15/2028	1,023,000	1,151,540	1.800%, 09/11/2024	2,626,000	2,605,375
Gilead Sciences, Inc.			2.050%, 09/11/2026	3,151,000	3,115,138
3.650%, 03/01/2026	971,000	1,043,740	2.200%, 09/11/2029	4,753,000	4,691,048
			2.950%, 09/11/2049	1,941,000	1,889,032
					52,157,246

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Apple, Inc. (continued)		
3.200%, 05/13/2025 to 05/11/2027	\$ 4,195,000	\$ 4,446,958
4.250%, 02/09/2047	862,000	1,026,132
Broadcom Corp.		
3.875%, 01/15/2027	2,380,000	2,429,514
Broadcom, Inc.		
4.250%, 04/15/2026 (C)	3,685,000	3,860,463
4.750%, 04/15/2029 (C)	690,000	737,836
Fiserv, Inc.		
3.200%, 07/01/2026	1,693,000	1,753,612
3.500%, 07/01/2029	1,764,000	1,853,097
4.200%, 10/01/2028	167,000	184,484
4.400%, 07/01/2049	896,000	998,257
Global Payments, Inc.		
3.200%, 08/15/2029	1,133,000	1,150,292
4.150%, 08/15/2049	609,000	637,927
IBM Corp.		
3.300%, 05/15/2026	1,601,000	1,684,767
4.150%, 05/15/2039	755,000	855,708
4.250%, 05/15/2049	947,000	1,086,409

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
The Dow Chemical Company		
4.250%, 10/01/2034	\$ 666,000	\$ 713,334
The Mosaic Company		
4.050%, 11/15/2027	1,110,000	1,156,949
5.625%, 11/15/2043	692,000	800,118
Yara International ASA		
4.750%, 06/01/2028 (C)	592,000	647,950
		19,569,324
<b>Real estate – 0.9%</b>		
Equinix, Inc.		
2.625%, 11/18/2024	2,768,000	2,774,699
2.900%, 11/18/2026	2,768,000	2,764,678
3.200%, 11/18/2029	2,546,000	2,552,161
GLP Capital LP		
4.000%, 01/15/2030	1,849,000	1,865,817
5.300%, 01/15/2029	999,000	1,103,241
Mid-America Apartments LP		
3.600%, 06/01/2027	670,000	713,487
3.750%, 06/15/2024	2,359,000	2,485,237
3.950%, 03/15/2029	988,000	1,084,838

Intel Corp.			4.000%, 11/15/2025	1,209,000	1,302,617
2.450%, 11/15/2029	3,049,000	3,052,953	4.300%, 10/15/2023	1,011,000	1,075,623
3.250%, 11/15/2049	1,016,000	1,031,830	Regency Centers LP		
Mastercard, Inc.			2.950%, 09/15/2029	2,145,000	2,157,674
2.950%, 06/01/2029	1,469,000	1,542,785	SITE Centers Corp.		
Micron Technology, Inc.			4.625%, 07/15/2022	841,000	877,428
4.663%, 02/15/2030	1,323,000	1,405,663	STORE Capital Corp.		
Microsoft Corp.			4.500%, 03/15/2028	3,715,000	4,060,547
3.700%, 08/08/2046	480,000	548,733	4.625%, 03/15/2029	915,000	1,016,263
4.000%, 02/12/2055	1,269,000	1,507,678			25,834,310
4.100%, 02/06/2037	1,582,000	1,870,715	<b>Utilities – 2.3%</b>		
4.250%, 02/06/2047	1,273,000	1,578,333	Alabama Power Company		
4.500%, 02/06/2057	1,166,000	1,510,800	3.450%, 10/01/2049	2,408,000	2,487,143
NXP BV			Black Hills Corp.		
3.875%, 06/18/2026 (C)	2,415,000	2,534,586	3.050%, 10/15/2029	2,637,000	2,639,660
Oracle Corp.			3.875%, 10/15/2049	886,000	902,020
2.625%, 02/15/2023	1,305,000	1,330,433	CenterPoint Energy Resources Corp.		
2.950%, 11/15/2024	698,000	724,821	4.100%, 09/01/2047	1,421,000	1,522,694
3.800%, 11/15/2037	714,000	785,401	CenterPoint Energy, Inc.		
4.000%, 11/15/2047	2,046,000	2,291,209	2.500%, 09/01/2022 to 09/01/2024	2,341,000	2,342,522
		56,721,989	4.250%, 11/01/2028	1,435,000	1,560,203
<b>Materials – 0.7%</b>			Consolidated Edison Company of New York, Inc.		
Barrick Gold Corp.			3.875%, 06/15/2047	874,000	959,798
3.850%, 04/01/2022	202,000	208,572	4.125%, 05/15/2049	278,000	319,025
Barrick North America Finance LLC			Dominion Energy, Inc.		
5.700%, 05/30/2041	1,966,000	2,474,874	2.000%, 08/15/2021	1,388,000	1,385,777
5.750%, 05/01/2043	460,000	594,775	DTE Energy Company		
Celulosa Arauco y Constitucion SA			2.529%, 10/01/2024	2,183,000	2,183,946
4.200%, 01/29/2030 (C)	1,117,000	1,103,038	Duke Energy Corp.		
5.150%, 01/29/2050 (C)	1,275,000	1,241,850	1.800%, 09/01/2021	2,082,000	2,075,676
Huntsman International LLC			Duke Energy Indiana LLC		
4.500%, 05/01/2029	1,222,000	1,291,567	3.750%, 05/15/2046	472,000	512,429
5.125%, 11/15/2022	797,000	850,439	Edison International		
Minera Mexico SA de CV			4.125%, 03/15/2028	637,000	643,990
4.500%, 01/26/2050 (C)	933,000	916,673	5.750%, 06/15/2027	1,000,000	1,098,781
Newmont Goldcorp Corp.			Electricite de France SA		
3.500%, 03/15/2022	1,388,000	1,426,394	5.600%, 01/27/2040 (C)	688,000	858,564
Packaging Corp. of America			Enel Finance International NV		
3.000%, 12/15/2029	1,587,000	1,599,762	2.875%, 05/25/2022 (C)	1,554,000	1,570,348
Southern Copper Corp.			3.500%, 04/06/2028 (C)	924,000	944,477
3.875%, 04/23/2025	535,000	559,958	4.625%, 09/14/2025 (C)	3,134,000	3,398,194
Steel Dynamics, Inc.			4.750%, 05/25/2047 (C)	800,000	900,913
4.125%, 09/15/2025	1,008,000	1,028,160	4.875%, 06/14/2029 (C)	796,000	901,226
Teck Resources, Ltd.			6.000%, 10/07/2039 (C)	1,288,000	1,612,932
6.250%, 07/15/2041	2,624,000	2,954,911			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

Core Bond Fund (continued)

Core Bond Fund (continued)



North Texas Tollway Authority 6.718%, 01/01/2049	1,390,000	2,232,771	Series 2019-2, Class A1, 3.337%, 05/25/2049 (C)(E)	2,623,165	2,628,851
Port Authority of New York & New Jersey 4.458%, 10/01/2062	3,060,000	3,814,657	Series 2019-4, Class A1, 2.579%, 11/25/2049 (C)(E)	3,000,709	2,999,010
State of California 7.600%, 11/01/2040	410,000	682,498	Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
State of Illinois, GO 5.100%, 06/01/2033	325,000	349,791	Series 2013-CR9, Class A4, 4.373%, 07/10/2045 (E)	2,876,000	3,061,130
The Ohio State University 4.800%, 06/01/2111	600,000	795,180	Series 2014-CR16, Class ASB, 3.653%, 04/10/2047	838,261	862,587
<b>TOTAL MUNICIPAL BONDS (Cost \$11,539,319)</b>	<b>\$</b>	<b>13,439,214</b>	Series 2016-COR1, Class ASB, 2.972%, 10/10/2049	562,000	576,658
			Series 2018-COR3, Class A3, 4.228%, 05/10/2051	4,131,000	4,618,967

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Core Bond Fund (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 2019-GC44, Class A5, 2.950%, 08/15/2057	\$ 1,514,000	\$ 1,557,752
CSAIL Commercial Mortgage Trust		
Series 2015-C2, Class A4, 3.504%, 06/15/2057	6,737,176	7,091,363
Series 2015-C3, Class A4, 3.718%, 08/15/2048	1,900,000	2,022,866
Series 2015-C4, Class A4, 3.808%, 11/15/2048	1,802,000	1,935,152
Series 2016-C5, Class ASB, 3.533%, 11/15/2048	279,000	290,896
Series 2019-C17, Class A5, 3.016%, 09/15/2052	1,534,000	1,580,342
Series 2019-C18, Class A4, 2.968%, 12/15/2052	1,009,000	1,033,252
CSMC Trust		
Series 2016-NXSR, Class A4 3.795%, 12/15/2049 (E)	4,516,000	4,864,060
DBJPM Mortgage Trust		
Series 2017-C6, Class ASB 3.121%, 06/10/2050	416,000	430,604

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
JPMDB Commercial Mortgage Securities Trust		
Series 2017-C5, Class A5, 3.693%, 03/15/2050	\$ 816,000	\$ 880,616
Series 2017-C5, Class ASB, 3.492%, 03/15/2050	281,000	295,061
Series 2018-C8, Class ASB, 4.145%, 06/15/2051	841,000	916,731
Series 2019-COR6, Class A4, 3.057%, 11/13/2052	2,019,000	2,087,375
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2016-JP2, Class A1 1.324%, 08/15/2049	463,237	460,569
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2013-C10, Class A4, 4.218%, 07/15/2046 (E)	260,000	276,464
Series 2015-C20, Class A4, 3.249%, 02/15/2048	231,000	241,117
Series 2015-C25, Class ASB, 3.383%, 10/15/2048	1,123,000	1,165,819
Series 2015-C27, Class A4, 3.753%, 12/15/2047	226,000	242,894
Morgan Stanley Capital I Trust		

GCAT LLC				Series 2016-UB11, Class A1, 1.445%, 08/15/2049	491,643	488,784
Series 2019-NQM1, Class A1 2.985%, 02/25/2059 (C)	1,172,081	1,181,226		Series 2016-UB11, Class ASB, 2.606%, 08/15/2049	646,000	653,627
GS Mortgage Securities Trust				Series 2019-L3, Class A4, 3.127%, 11/15/2029	1,210,000	1,259,327
Series 2012-GCJ7, Class AAB, 2.935%, 05/10/2045	62,973	63,112		New Residential Mortgage Loan Trust		
Series 2014-GC18, Class A3, 3.801%, 01/10/2047	568,711	593,702		Series 2019-NQM2, Class A1, 3.600%, 04/25/2049 (C)(E)	1,504,082	1,522,423
Series 2015-GC28, Class A5, 3.396%, 02/10/2048	675,000	710,105		Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(E)	2,269,739	2,266,777
Series 2015-GC34, Class A4, 3.506%, 10/10/2048	1,606,000	1,703,798		SG Residential Mortgage Trust		
Series 2017-GS6, Class A3, 3.433%, 05/10/2050	1,082,000	1,151,808		Series 2019-3, Class A1 2.703%, 09/25/2059 (C)(E)	2,918,234	2,917,954
Series 2017-GS7, Class A4, 3.430%, 08/10/2050	2,609,000	2,780,155		Starwood Mortgage Residential Trust		
Series 2019-GSA1, Class A4, 3.048%, 11/10/2052	1,425,000	1,471,334		Series 2019-INV1, Class A1 2.610%, 08/25/2049 (C)(E)	2,673,264	2,661,709
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust				Verus Securitization Trust		
Series 2010-1, Class A1 5.314%, 01/25/2051 (C)	1,346,729	1,417,698		Series 2019-1, Class A1, 3.836%, 02/25/2059 (C)(E)	1,740,310	1,759,753
JPMBB Commercial Mortgage Securities Trust				Series 2019-2, Class A1, 3.211%, 05/25/2059 (C)(E)	5,681,735	5,722,768
Series 2014-C23, Class A4, 3.670%, 09/15/2047	793,000	837,999		Series 2019-3, Class A1, 2.784%, 07/25/2059 (C)	5,611,250	5,628,577
Series 2015-C28, Class A2, 2.773%, 10/15/2048	213,389	213,387		Series 2019-4, Class A1, 3.642%, 11/25/2059 (C)	7,117,000	7,119,392
Series 2015-C28, Class A3, 2.912%, 10/15/2048	3,160,000	3,238,007		Series 2019-INV1, Class A1, 3.402%, 12/25/2059 (C)(E)	1,466,043	1,480,661
Series 2015-C33, Class A4, 3.770%, 12/15/2048	437,000	469,333		Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (C)(E)	2,561,946	2,576,467
JPMCC Commercial Mortgage Securities Trust				Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (C)(E)	2,881,000	2,878,172
Series 2017-JP5, Class ASB, 3.549%, 03/15/2050	2,500,000	2,631,387		Visio Trust		
Series 2017-JP6, Class ASB, 3.283%, 07/15/2050	781,000	815,752		Series 2019-1, Class A1 3.572%, 06/25/2054 (C)(E)	1,344,070	1,358,785
						135,758,714

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
U.S. Government Agency – 5.9%		
Federal Home Loan Mortgage Corp.		

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
U.S. Government Agency (continued)		

Series 264, Class 30, 3.000%, 07/15/2042	\$ 4,890,986	\$ 5,033,499	Federal National Mortgage Association (continued)		
Series 343, Class F4 (1 month LIBOR + 0.350%), 2.852%, 10/15/2037 (B)	2,923,363	2,901,947	Series 2019-18, Class FH (1 month LIBOR + 0.350%), 2.058%, 05/25/2049 (B)	\$ 3,458,711	\$ 3,449,187
Series 4426, Class QC, 1.750%, 07/15/2037	3,309,990	3,269,290	Series 2019-25, Class YF (1 month LIBOR + 0.450%), 2.158%, 10/25/2046 (B)	6,837,618	6,832,724
Series 4705, Class A, 4.500%, 09/15/2042	1,925,073	2,064,754	Series 2019-35, Class FH (1 month LIBOR + 0.350%), 2.058%, 07/25/2049 (B)	1,518,172	1,511,951
Series 4742, Class PA, 3.000%, 10/15/2047	5,539,243	5,676,601	Series 2019-35, Class MB, 3.000%, 07/25/2049	3,728,592	3,894,920
Series 4763, Class CA, 3.000%, 09/15/2038	575,564	593,693	Series 2019-42, Class FK (1 month LIBOR + 0.450%), 2.158%, 08/25/2049 (B)	7,888,130	7,867,723
Series 4767, Class KA, 3.000%, 03/15/2048	2,740,838	2,820,808	Series 2019-60, Class BF (1 month LIBOR + 0.450%), 2.158%, 10/25/2049 (B)	2,743,216	2,738,592
Series 4786, Class DP, 4.500%, 07/15/2042	1,347,824	1,371,910	Series 2019-60, Class FW (1 month LIBOR + 0.450%), 2.158%, 10/25/2049 (B)	2,133,870	2,129,873
Series 4796, Class AK, 3.000%, 05/15/2048	5,171,323	5,253,717	Series 2019-70, Class FL (1 month LIBOR + 0.400%), 2.124%, 12/25/2049 (B)	4,955,000	4,938,741
Series 4802, Class A, 3.000%, 06/15/2048	5,065,551	5,143,841	Series 2019-8, Class GA, 3.000%, 03/25/2049	8,237,407	8,345,937
Series 4846, Class PF (1 month LIBOR + 0.350%), 2.115%, 12/15/2048 (B)	1,094,377	1,091,003	Series 414, Class A35, 3.500%, 10/25/2042	2,503,423	2,647,884
Series 4856, Class FD (1 month LIBOR + 0.300%), 2.065%, 08/15/2040 (B)	3,530,313	3,506,312	Government National Mortgage Association		
Series 4874, Class AT, 3.000%, 09/15/2048	15,562,025	15,783,354	Series 2012-141, Class WA, 4.526%, 11/16/2041 (E)	560,974	624,076
Series 4897, Class F (1 month LIBOR + 0.400%), 2.165%, 07/15/2049 (B)	1,231,057	1,230,667	Series 2017-167, Class BQ, 2.500%, 08/20/2044	2,417,970	2,438,883
Federal National Mortgage Association			Series 2019-132, Class NA, 3.500%, 09/20/2049	7,489,709	7,740,410
Series 1998-61, Class PL, 6.000%, 11/25/2028	227,052	251,406	Series 2019-20, Class JK, 3.500%, 02/20/2049	6,084,311	6,336,893
Series 2013-11, Class AP, 1.500%, 01/25/2043	6,166,315	5,994,489	Series 2019-31, Class JC, 3.500%, 03/20/2049	3,736,795	3,809,443
Series 2013-30, Class CA, 1.500%, 04/25/2043	599,851	578,419			170,531,898
Series 2015-84, Class PA, 1.700%, 08/25/2033	7,943,032	7,806,861	<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$301,022,719)</b>	<b>\$</b>	<b>306,290,612</b>
Series 2016-48, Class MA, 2.000%, 06/25/2038	10,545,423	10,451,769	<b>ASSET BACKED SECURITIES – 11.2%</b>		
Series 2017-13, Class PA, 3.000%, 08/25/2046	1,738,817	1,797,019	Avis Budget Rental Car Funding AESOP LLC		
Series 2017-42, Class H, 3.000%, 11/25/2043	2,091,988	2,131,408	Series 2017-1A, Class A 3.070%, 09/20/2023 (C)	939,000	957,737
Series 2017-M7, Class A2, 2.961%, 02/25/2027 (E)	633,000	664,243	Series 2019-2A, Class A 3.600%, 09/22/2025 (C)	3,920,000	4,074,848
Series 2018-14, Class KC, 3.000%, 03/25/2048	2,565,298	2,636,335	Series 2019-3A, Class A 2.360%, 03/20/2026 (C)	5,689,000	5,668,327
Series 2018-15, Class AB, 3.000%, 03/25/2048	751,258	774,573	College Ave Student Loans LLC		
Series 2018-45, Class GA, 3.000%, 06/25/2048	6,396,135	6,470,398	Series 2017-A, Class A1 (1 month LIBOR + 1.650%) 3.473%, 11/26/2046 (B)(C)	1,143,565	1,144,838
Series 2018-79, Class FA (1 month LIBOR + 0.250%), 1.958%, 11/25/2048 (B)	5,654,690	5,615,546	Series 2018-A, Class A2 4.130%, 12/26/2047 (C)	1,263,113	1,323,678

Series 2018-8, Class KL, 2.500%, 03/25/2047	2,237,828	2,244,871
Series 2019-14, Class FB (1 month LIBOR + 0.400%), 2.432%, 04/25/2059 (B)	2,067,993	2,065,928

Series 2019-A, Class A2 3.280%, 12/28/2048 (C)	1,231,046	1,231,257
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# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Discover Card Execution Note Trust		
Series 2019-A3, Class A 1.890%, 10/15/2024	\$ 3,048,000	\$ 3,050,250
Ford Credit Auto Owner Trust		
Series 2017-1, Class A 2.620%, 08/15/2028 (C)	2,680,000	2,715,760
Series 2017-2, Class A 2.360%, 03/15/2029 (C)	6,778,000	6,834,077
Series 2018-1, Class A 3.190%, 07/15/2031 (C)	8,671,000	9,027,094
Series 2018-2, Class A 3.470%, 01/15/2030 (C)	3,419,000	3,562,747
Series 2019-1, Class A 3.520%, 07/15/2030 (C)	3,231,000	3,386,169
Series 2019-C, Class A4 1.930%, 04/15/2025	1,939,000	1,938,924
Ford Credit Floorplan Master Owner Trust		
Series 2019-3, Class A2 (1 month LIBOR + 0.600%) 2.514%, 09/15/2024 (B)	4,524,000	4,536,137
Series 2019-4, Class A 2.440%, 09/15/2026	2,030,000	2,045,143
Hertz Vehicle Financing II LP		
Series 2015-3A, Class A 2.670%, 09/25/2021 (C)	2,738,000	2,746,636
Series 2016-2A, Class A 2.950%, 03/25/2022 (C)	3,293,000	3,319,982
Series 2016-4A, Class A 2.650%, 07/25/2022 (C)	224,000	225,078
Series 2017-1A, Class A 2.960%, 10/25/2021 (C)	1,483,000	1,491,821
Series 2017-2A, Class A 3.290%, 10/25/2023 (C)	2,646,000	2,711,386
Series 2018-1A, Class A 3.290%, 02/25/2024 (C)	4,232,000	4,346,110
Series 2019-1A, Class A 3.710%, 03/25/2023 (C)	2,463,000	2,535,490

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Navient Private Education Refi Loan Trust (continued)		
Series 2019-A, Class A2A 3.870%, 01/15/2043 (C)	\$ 4,873,000	\$ 5,046,409
Series 2019-CA, Class A2 3.130%, 02/15/2068 (C)	6,575,000	6,676,344
Series 2019-D, Class A2A 3.480%, 12/15/2059 (C)	5,091,000	5,214,086
Series 2019-FA, Class A2 2.600%, 08/15/2068 (C)	5,797,000	5,804,002
Navient Student Loan Trust		
Series 2014-1, Class A3 (1 month LIBOR + 0.510%) 2.333%, 06/25/2031 (B)	2,221,477	2,193,323
Series 2015-1, Class A2 (1 month LIBOR + 0.600%) 2.423%, 04/25/2040 (B)	6,455,939	6,347,406
Series 2016-1A, Class A (1 month LIBOR + 0.700%) 2.523%, 02/25/2070 (B)(C)	4,583,954	4,536,538
Series 2016-3A, Class A2 (1 month LIBOR + 0.850%) 2.673%, 06/25/2065 (B)(C)	418,827	419,479
Series 2016-5A, Class A (1 month LIBOR + 1.250%) 3.073%, 06/25/2065 (B)(C)	3,657,999	3,673,203
Series 2017-5A, Class A (1 month LIBOR + 0.800%) 2.623%, 07/26/2066 (B)(C)	1,955,764	1,931,493
Series 2018-EA, Class A2 4.000%, 12/15/2059 (C)	1,964,000	2,052,515
Series 2019-3A, Class A (1 month LIBOR + 0.830%) 2.887%, 07/25/2068 (B)(C)	11,772,472	11,719,765
Series 2019-4A, Class A2 (1 month LIBOR + 0.810%) 2.899%, 07/25/2068 (B)(C)	5,689,000	5,673,076
Series 2019-BA, Class A2A 3.760%, 12/15/2059 (C)	3,938,000	4,088,864

Series 2019-2A, Class A 3.420%, 05/25/2025 (C)	3,999,000	4,139,577	Nelnet Student Loan Trust		
Series 2019-3A, Class A 2.670%, 12/26/2025 (C)	4,795,000	4,791,486	Series 2004-3, Class A5 (3 month LIBOR + 0.180%) 2.456%, 10/27/2036 (B)	677,612	658,977
Hertz Vehicle Financing LLC			Series 2004-4, Class A5 (3 month LIBOR + 0.160%) 2.436%, 01/25/2037 (B)	2,106,821	2,062,760
Series 2018-2A, Class A 3.650%, 06/27/2022 (C)	1,641,000	1,673,781	Series 2005-1, Class A5 (3 month LIBOR + 0.110%) 2.386%, 10/25/2033 (B)	8,058,486	7,850,985
Series 2018-3A, Class A 4.030%, 07/25/2024 (C)	2,306,000	2,428,385	Series 2005-2, Class A5 (3 month LIBOR + 0.100%) 2.259%, 03/23/2037 (B)	10,413,382	10,144,412
Navient Private Education Loan Trust			Series 2005-3, Class A5 (3 month LIBOR + 0.120%) 2.279%, 12/24/2035 (B)	6,566,574	6,453,761
Series 2014-AA, Class A3 (1 month LIBOR + 1.600%) 3.521%, 10/15/2031 (B)(C)	2,054,000	2,083,884	Series 2005-4, Class A4 (3 month LIBOR + 0.180%) 2.523%, 03/22/2032 (B)	692,911	667,435
Series 2014-CTA, Class A (1 month LIBOR + 0.700%) 2.621%, 09/16/2024 (B)(C)	159,430	159,450	Series 2012-2A, Class A (1 month LIBOR + 0.800%) 2.623%, 12/26/2033 (B)(C)	4,644,232	4,627,441
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%) 4.071%, 12/15/2045 (B)(C)	802,545	828,027	Series 2012-4A, Class A (1 month LIBOR + 0.700%) 2.523%, 09/27/2038 (B)(C)	2,495,925	2,476,964
Series 2018-BA, Class A2A 3.610%, 12/15/2059 (C)	1,380,000	1,433,621	Series 2013-1A, Class A (1 month LIBOR + 0.600%) 2.423%, 06/25/2041 (B)(C)	2,031,566	1,989,716
Navient Private Education Refi Loan Trust					
Series 2018-A, Class A2 3.190%, 02/18/2042 (C)	7,668,000	7,763,904			
Series 2018-CA, Class A2 3.520%, 06/16/2042 (C)	750,000	767,646			
Series 2018-DA, Class A2A 4.000%, 12/15/2059 (C)	3,186,000	3,314,598			

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Nelnet Student Loan Trust (continued)		
Series 2014-1A, Class A (1 month LIBOR + 0.570%) 2.393%, 09/25/2041 (B)(C)	\$ 638,346	\$ 628,918
Series 2016-1A, Class A (1 month LIBOR + 0.800%) 2.623%, 09/25/2065 (B)(C)	2,388,340	2,391,372
Series 2017-2A, Class A (1 month LIBOR + 0.770%) 2.478%, 09/25/2065 (B)(C)	2,112,820	2,085,978
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (C)	9,305,000	9,290,992
SLC Student Loan Trust		

#### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
SMB Private Education Loan Trust (continued)		
Series 2016-B, Class A2B (1 month LIBOR + 1.450%) 3.215%, 02/17/2032 (B)(C)	\$ 3,218,627	\$ 3,252,466
Series 2016-C, Class A2B (1 month LIBOR + 1.100%) 2.865%, 09/15/2034 (B)(C)	1,159,551	1,165,124
Series 2017-A, Class A2B (1 month LIBOR + 0.900%) 2.665%, 09/15/2034 (B)(C)	3,579,728	3,586,812
Series 2017-B, Class A2A 2.820%, 10/15/2035 (C)	3,731,988	3,763,715

Series 2005-2, Class A4 (3 month LIBOR + 0.160%) 2.570%, 12/15/2039 (B)	2,753,000	2,603,694	Series 2017-B, Class A2B (1 month LIBOR + 0.750%) 2.515%, 10/15/2035 (B)(C)	2,403,251	2,401,881
Series 2007-1, Class A5 (3 month LIBOR + 0.090%) 2.248%, 02/15/2068 (B)	1,985,000	1,846,033	Series 2018-C, Class A2A 3.630%, 11/15/2035 (C)	1,952,000	2,035,687
Series 2008-1, Class A4A (3 month LIBOR + 1.600%) 3.719%, 12/15/2032 (B)	1,796,300	1,825,039	Series 2019-A, Class A2A 3.440%, 07/15/2036 (C)	9,538,000	9,806,071
SLM Student Loan Trust			SoFi Professional Loan Program LLC		
Series 2003-1, Class A5C (3 month LIBOR + 0.750%) 2.869%, 12/15/2032 (B)(C)	954,205	929,254	Series 2016-A, Class A2 2.760%, 12/26/2036 (C)	1,170,683	1,177,551
Series 2004-10, Class A7A (3 month LIBOR + 0.600%) 2.540%, 10/25/2029 (B)(C)	3,601,000	3,581,976	Series 2016-D, Class A1 (1 month LIBOR + 0.950%) 2.658%, 01/25/2039 (B)(C)	115,337	115,701
Series 2005-3, Class A6 (3 month LIBOR + 0.150%) 2.426%, 04/25/2040 (B)	2,676,000	2,545,865	Series 2016-E, Class A1 (1 month LIBOR + 0.850%) 2.558%, 07/25/2039 (B)(C)	283,542	283,975
Series 2007-2, Class A4 (3 month LIBOR + 0.060%) 2.336%, 07/25/2022 (B)	2,477,626	2,411,282	Series 2017-A, Class A1 (1 month LIBOR + 0.700%) 2.523%, 03/26/2040 (B)(C)	434,760	435,230
Series 2010-1, Class A (1 month LIBOR + 0.400%) 2.223%, 03/25/2025 (B)	383,016	370,101	Series 2017-C, Class A1 (1 month LIBOR + 0.600%) 2.423%, 07/25/2040 (B)(C)	617,784	616,816
Series 2012-1, Class A3 (1 month LIBOR + 0.950%) 2.773%, 09/25/2028 (B)	3,473,522	3,421,795	Series 2017-D, Class A2FX 2.650%, 09/25/2040 (C)	1,339,047	1,344,357
Series 2012-2, Class A (1 month LIBOR + 0.700%) 2.523%, 01/25/2029 (B)	3,197,044	3,123,970	Series 2017-E, Class A1 (1 month LIBOR + 0.500%) 2.323%, 11/26/2040 (B)(C)	199,325	199,076
Series 2012-6, Class A3 (1 month LIBOR + 0.750%) 2.573%, 05/26/2026 (B)	632,875	628,625	Series 2017-E, Class A2B 2.720%, 11/26/2040 (C)	3,269,000	3,314,236
Series 2013-4, Class A (1 month LIBOR + 0.550%) 2.373%, 06/25/2043 (B)	4,966,749	4,874,534	Series 2018-A, Class A2B 2.950%, 02/25/2042 (C)	1,487,000	1,506,443
SMB Private Education Loan Trust			Series 2018-B, Class A2FX 3.340%, 08/25/2047 (C)	15,751,000	16,131,270
Series 2015-A, Class A2B (1 month LIBOR + 1.000%) 2.765%, 06/15/2027 (B)(C)	1,098,923	1,101,304	Verizon Owner Trust		
Series 2015-C, Class A2B (1 month LIBOR + 1.400%) 3.165%, 07/15/2027 (B)(C)	418,006	421,612	Series 2019-C, Class A1A 1.940%, 04/22/2024	7,853,000	7,847,863
Series 2016-A, Class A2A 2.700%, 05/15/2031 (C)	2,290,623	2,304,266	World Financial Network Credit Card Master Trust		
Series 2016-A, Class A2B (1 month LIBOR + 1.500%) 3.265%, 05/15/2031 (B)(C)	6,423,370	6,495,740	Series 2018-B, Class A 3.460%, 07/15/2025	1,709,000	1,749,988
Series 2016-B, Class A2A 2.430%, 02/17/2032 (C)	374,407	374,343	Series 2019-A, Class A 3.140%, 12/15/2025	849,000	867,661
			Series 2019-C, Class A 2.210%, 07/15/2026	5,652,000	5,669,665
			<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$318,779,878)		\$ 321,095,083

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

**Core Bond Fund (continued)**

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS – 3.7%</b>		
<b>Short-term funds – 3.7%</b>		
John Hancock Collateral Trust, 1.7887% (F)(G)	56,717	\$ 567,531
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (F)	106,085,728	106,085,728
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$106,653,297)</b>		<b>\$ 106,653,259</b>
<b>Total Investments (Core Bond Fund) (Cost \$3,032,874,732) – 107.1%</b>		<b>\$ 3,085,157,613</b>
<b>Other assets and liabilities, net – (7.1%)</b>		<b>(204,063,880)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 2,881,093,733</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)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$422,218,374 or 14.7% of the fund's net assets as of 11-30-19.
(D)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$556,025.
(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 11-30-19.
(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.

**Global Bond Fund**

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 50.8%</b>		
<b>U.S. Government - 10.9%</b>		
U.S. Treasury Bonds		

**Global Bond Fund (continued)**

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency - 39.9%</b>		
Federal National Mortgage Association		
2.500%, TBA (B)	\$ 200,000	\$ 197,945
3.000%, TBA (B)	2,300,000	2,329,648
3.000%, 10/01/2049	99,575	102,191
3.500%, TBA (B)	5,800,000	5,954,063
3.500%, 01/01/2059	97,772	102,685
3.527%, (12 month Treasury Average Index + 1.200%), 11/01/ 2042 to 10/01/2044 (C)	554,832	560,515
4.000%, TBA (B)	6,500,000	6,748,344
4.010%, (12 month LIBOR + 1.760%), 09/01/2035 (C)	29,679	31,093
4.087%, (12 month Treasury Average Index + 1.749%), 11/01/ 2035 (C)	52,859	54,213
4.500%, 05/01/2029 to 11/01/2044	206,155	221,610
4.662%, (12 month LIBOR + 1.912%), 07/01/2035 (C)	15,172	15,925
		<b>16,318,232</b>
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$20,902,091)</b>		<b>\$ 20,793,920</b>
<b>FOREIGN GOVERNMENT OBLIGATIONS - 24.7%</b>		
<b>Canada - 0.1%</b>		
Government of Canada		
1.500%, 12/01/2044	CAD 58,919	56,911
<b>France - 1.8%</b>		
Government of France		
2.000%, 05/25/2048 (D)	EUR 500,000	739,444
<b>Italy - 3.9%</b>		
Republic of Italy		
2.100%, 07/15/2026	200,000	236,950
2.450%, 10/01/2023	200,000	237,335
2.500%, 11/15/2025	300,000	362,608
3.000%, 08/01/2029	400,000	511,374
6.000%, 08/04/2028	GBP 150,000	245,396
		<b>1,593,663</b>
<b>Japan - 9.0%</b>		
Government of Japan		
0.100%, 03/20/2029 to 06/20/2029	JPY 130,000,000	1,210,930
0.500%, 03/20/2049	30,000,000	281,204
0.700%, 12/20/2048	75,000,000	740,110
1.200%, 09/20/2035	51,000,000	542,633
1.300%, 06/20/2035	20,000,000	215,576
Government of Japan, CPI Linked Bond		
0.100%, 03/10/2028	50,463,500	475,764

2.750%, 11/15/ 2042	\$	500,000	\$	550,801	Japan Finance Organization for Municipalities			
3.000%, 05/15/ 2045		300,000		346,758	3.000%, 03/12/2024	\$	200,000	207,544
U.S. Treasury Inflation Protected Securities								3,673,761
0.375%, 07/15/ 2025		108,269		109,682	<b>Kuwait - 1.0%</b>			
0.625%, 01/15/ 2026		32,417		33,246	State of Kuwait		400,000	428,869
1.000%, 02/15/ 2048		312,354		352,105	<b>Lithuania - 0.3%</b>			
1.375%, 02/15/ 2044		110,166		132,285	Republic of Lithuania	EUR	100,000	117,084
2.500%, 01/15/ 2029		837,157		1,008,480	<b>Peru - 0.9%</b>			
U.S. Treasury Notes					Republic of Peru			
2.000%, 08/15/ 2025 (A)		400,000		406,844	5.940%, 02/12/2029	PEN	458,000	151,322
2.000%, 11/15/ 2026		100,000		101,805	6.350%, 08/12/2028 (D)		700,000	237,972
2.625%, 06/15/ 2021		52,000		52,737				389,294
2.875%, 04/30/ 2025		1,300,000		1,380,945				
				4,475,688				

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

		Shares or Principal Amount		Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>				
<b>Poland - 0.4%</b>				
Republic of Poland				
2.250%, 04/25/2022	PLN	500,000	\$	129,849
3.250%, 07/25/2025		100,000		27,468
				157,317
<b>Qatar - 1.1%</b>				
State of Qatar				
3.875%, 04/23/2023	\$	200,000		211,044
4.000%, 03/14/2029		200,000		223,113
				434,157
<b>Saudi Arabia - 0.6%</b>				
Kingdom of Saudi Arabia				
4.500%, 04/17/2030		200,000		226,506

### Global Bond Fund (continued)

		Shares or Principal Amount		Value
<b>CORPORATE BONDS (continued)</b>				
<b>Denmark (continued)</b>				
Jyske Realkredit A/S (continued)				
2.000%, 10/01/2047	DKK	2,024,382	\$	306,279
3.000%, 10/01/2047		16,145		2,515
Nordea Kredit Realkreditaktieselskab				
1.000%, 10/01/2050		2,100,000		303,707
2.000%, 10/01/2047		2,848,560		431,582
2.500%, 10/01/2047		580		89
Nykredit Realkredit A/S				
1.000%, 10/01/2050		3,200,000		461,943
1.500%, 10/01/2050		2,086,732		310,943
2.500%, 10/01/2036 to 10/01/2047		116,017		17,835
Realkredit Danmark A/S				
2.500%, 07/01/2047		32,670		5,008



**Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)**

**Global Bond Fund (continued)**

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Japan (continued)</b>		
Sumitomo Mitsui Financial Group, Inc. 2.934%, 03/09/2021	\$ 100,000	\$ 101,182
		607,255
<b>Jersey, Channel Islands - 0.3%</b>		
AA Bond Company, Ltd. 2.875%, 07/31/2043	GBP 100,000	126,302
<b>Luxembourg - 0.9%</b>		
Aroundtown SA 1.500%, 07/15/2024	EUR 100,000	114,974
Emerald Bay SA 2.908%, 10/08/2020 (D)(E)	136,000	146,156
Medtronic Global Holdings SCA 0.000%, 12/02/2022	100,000	110,194
		371,324
<b>Netherlands - 0.8%</b>		
Cooperatieve Rabobank UA 6.875%, 03/19/2020	100,000	112,284
ING Bank NV 0.375%, 11/26/2021	100,000	111,263
Stichting AK Rabobank Certificaten 6.500%, 12/29/2019 (F)	50,000	69,597
Teva Pharmaceutical Finance Netherlands III BV 2.200%, 07/21/2021	\$ 26,000	25,136
		318,280
<b>Singapore - 1.0%</b>		
BOC Aviation, Ltd. 3.500%, 09/18/2027 (D)	200,000	205,246
PSA Treasury Pte, Ltd. 2.500%, 04/12/2026	200,000	202,292
		407,538
<b>South Korea - 0.5%</b>		
Kookmin Bank 2.125%, 10/21/2020	200,000	199,758
<b>Sweden - 0.3%</b>		
Sveriges Sakerstallda Obligationer AB 2.000%, 06/17/2026	SEK 1,000,000	113,562
<b>Switzerland - 1.2%</b>		
Credit Suisse Group AG (3 month LIBOR + 1.200%) 3.319%, 12/14/2023 (C)(D)	\$ 250,000	252,253
UBS AG 5.125%, 05/15/2024	200,000	215,077
		467,330
<b>United Arab Emirates - 0.7%</b>		
ICICI Bank, Ltd. 3.500%, 03/18/2020	300,000	300,714

**Global Bond Fund (continued)**

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United Kingdom (continued)</b>		
HSBC Holdings PLC (3 month LIBOR + 1.000%) 2.904%, 05/18/2024 (C)	\$ 200,000	\$ 200,945
HSBC Holdings PLC (4.041% to 3-13-27, then 3 month LIBOR + 1.546%) 03/13/2028	200,000	212,707
Imperial Brands Finance PLC 2.950%, 07/21/2020 (D)	200,000	200,691
Lloyds Bank Corporate Markets PLC 1.750%, 07/11/2024	GBP 100,000	130,301
Lloyds Bank PLC 4.875%, 03/30/2027	200,000	323,831
Nationwide Building Society (3.766% to 3-8-23, then 3 month LIBOR + 1.064%) 03/08/2024 (D)	\$ 300,000	310,213
RAC Bond Company PLC 4.870%, 05/06/2046	GBP 100,000	127,355
Santander UK Group Holdings PLC 2.875%, 08/05/2021	\$ 200,000	201,922
Santander UK PLC 5.000%, 11/07/2023 (D)	200,000	214,606
Tesco PLC 6.125%, 02/24/2022	GBP 50,000	71,092
The Royal Bank of Scotland Group PLC 4.800%, 04/05/2026	\$ 400,000	443,291
The Royal Bank of Scotland Group PLC (3 month LIBOR + 1.470%) 3.380%, 05/15/2023 (C)	200,000	201,669
The Royal Bank of Scotland Group PLC (7.500% to 8-10-20, then 5 Year U.S. Swap Rate + 5.800%) 08/10/2020 (F)	200,000	205,000
Virgin Media Secured Finance PLC 4.875%, 01/15/2027	GBP 100,000	131,917
		4,135,452
<b>United States - 17.1%</b>		
AbbVie, Inc. 2.900%, 11/06/2022	\$ 100,000	101,847
AIG Global Funding 2.300%, 07/01/2022 (D)	100,000	100,411
Ambac Assurance Corp. 5.100%, 06/07/2020 (D)	10,734	15,726
American Express Company (3 month LIBOR + 0.620%) 2.519%, 05/20/2022 (C)	100,000	100,590
American Tower Corp. 1.950%, 05/22/2026	EUR 100,000	119,080

United Kingdom - 10.1%							
Barclays Bank PLC				AT&T, Inc.			
7.625%, 11/21/2022	200,000	224,300		1.800%, 09/05/2026		200,000	237,017
Barclays PLC				AT&T, Inc. (3 month LIBOR +			
4.836%, 05/09/2028	200,000	213,565		1.180%)			
Barclays PLC (4.972% to 5-16-28,				3.312%, 06/12/2024 (C)	\$	200,000	203,384
then 3 month LIBOR + 1.902%)				Bank of America Corp. (5.875% to			
05/16/2029	200,000	224,045		3-15-28, then 3 month LIBOR +			
British Airways 2019-1 Class A Pass				2.931%)			
Through Trust				03/15/2028 (F)		60,000	66,286
3.350%, 12/15/2030 (D)	100,000	104,297		Bayer US Finance II LLC (3 month			
Clydesdale Bank PLC				LIBOR + 1.010%)			
2.250%, 04/21/2020	GBP 200,000	259,472		3.129%, 12/15/2023 (C)(D)		200,000	200,894
Co-operative Group Holdings 2011,				Campbell Soup Company			
Ltd.				3.300%, 03/15/2021		100,000	101,445
6.875%, 07/08/2020	100,000	134,233		3.650%, 03/15/2023		200,000	207,800
				CenterPoint Energy Resources Corp.			
				3.550%, 04/01/2023		100,000	103,658

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Charter Communications Operating LLC		
6.384%, 10/23/2035	\$ 100,000	\$ 124,765
Charter Communications Operating LLC (3 month LIBOR + 1.650%)		
3.559%, 02/01/2024 (C)	100,000	102,838
Citibank NA (3 month LIBOR + 0.600%)		
2.499%, 05/20/2022 (C)	250,000	250,797
Citigroup, Inc. (2.876% to 7-24-22, then 3 month LIBOR + 0.950%)		
07/24/2023	100,000	101,524
Continental Resources, Inc.		
4.375%, 01/15/2028	100,000	103,328
CVS Health Corp.		
3.350%, 03/09/2021	54,000	54,866
Dell International LLC		
4.420%, 06/15/2021 (D)	100,000	102,968
Discover Financial Services		
4.100%, 02/09/2027	100,000	107,211
Energy Transfer Partners LP		
5.750%, 09/01/2020	100,000	101,674
EPR Properties		
4.500%, 06/01/2027	50,000	53,648
EQT Corp.		
4.875%, 11/15/2021	200,000	204,844

### Global Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Mylan NV		
3.150%, 06/15/2021	\$ 200,000	\$ 202,293
New York Life Global Funding		
2.250%, 07/12/2022 (D)	100,000	100,683
Penske Truck Leasing Company LP		
3.950%, 03/10/2025 (D)	100,000	105,920
Sempra Energy (3 month LIBOR + 0.450%)		
2.569%, 03/15/2021 (C)	100,000	99,982
Spirit AeroSystems, Inc. (3 month LIBOR + 0.800%)		
2.919%, 06/15/2021 (C)	100,000	99,800
Sprint Corp.		
7.250%, 09/15/2021	100,000	106,050
Sprint Spectrum Company LLC		
4.738%, 03/20/2025 (D)	200,000	212,000
The Goldman Sachs Group, Inc.		
(4.223% to 5-1-28, then 3 month LIBOR + 1.301%)		
05/01/2029	100,000	110,143
The Goldman Sachs Group, Inc.		
(4.950% to 2-10-25, then 5 Year CMT + 3.224%)		
02/10/2025 (F)	100,000	102,500
Tyson Foods, Inc.		
2.250%, 08/23/2021	100,000	100,420

Equifax, Inc. (3 month LIBOR + 0.870%) 2.780%, 08/15/2021 (C)	100,000	100,293	Verizon Communications, Inc. 4.329%, 09/21/2028	195,000	221,163
Fidelity National Information Services, Inc. 0.125%, 05/21/2021 1.700%, 06/30/2022	EUR 200,000 GBP 100,000	220,803 130,881	Volkswagen Group of America Finance LLC 3.875%, 11/13/2020 (D)	200,000	203,096
Ford Motor Credit Company LLC (3 month EURIBOR + 0.430%) 0.032%, 05/14/2021 (C)	EUR 100,000	109,213	WRKCo, Inc. 3.750%, 03/15/2025	100,000	104,949
General Mills, Inc. 3.200%, 04/16/2021	\$ 100,000	101,673			6,996,473
General Motors Financial Company, Inc. (3 month LIBOR + 0.850%) 2.862%, 04/09/2021 (C)	100,000	100,056	<b>TOTAL CORPORATE BONDS (Cost \$19,338,037)</b>	\$	19,804,626
Harley-Davidson Financial Services, Inc. (3 month LIBOR + 0.940%) 2.847%, 03/02/2021 (C)(D)	200,000	201,200	<b>MUNICIPAL BONDS - 1.4%</b>		
Jackson National Life Global Funding 2.375%, 09/15/2022 (D)	100,000	100,751	<b>United States - 1.4%</b>		
JPMorgan Chase & Co. (3.797% to 7-23-23, then 3 month LIBOR + 0.890%) 07/23/2024	200,000	210,386	American Municipal Power, Inc. (Ohio) 7.334%, 02/15/2028	300,000	385,386
Kilroy Realty LP 3.450%, 12/15/2024	100,000	103,698	State of California (1 month LIBOR + 0.780%) 2.565%, 04/01/2047 (C)	200,000	200,784
Kimco Realty Corp. 3.300%, 02/01/2025	100,000	103,534	<b>TOTAL MUNICIPAL BONDS (Cost \$587,063)</b>	\$	586,170
Kraft Heinz Foods Company 4.875%, 02/15/2025 (D)	69,000	70,954	<b>TERM LOANS (G) - 0.7%</b>		
Kraft Heinz Foods Company (3 month LIBOR + 0.570%) 2.471%, 02/10/2021 (C)	200,000	200,127	<b>United States - 0.7%</b>		
Masco Corp. 3.500%, 04/01/2021	200,000	202,859	CenturyLink, Inc., 2017 Term Loan B (1 month LIBOR + 2.750%), 4.452%, 01/31/2025	294,750	294,585
McDonald's Corp. (3 month LIBOR + 0.430%) 2.366%, 10/28/2021 (C)	200,000	200,714	<b>TOTAL TERM LOANS (Cost \$293,723)</b>	\$	294,585
MUFG Americas Holdings Corp. 3.000%, 02/10/2025	200,000	203,731	<b>COLLATERALIZED MORTGAGE OBLIGATIONS - 19.8%</b>		
			<b>Commercial and residential - 19.2%</b>		
			Adjustable Rate Mortgage Trust, Series 2005-5, Class 2A1, 4.482%, 09/25/2035 (H)	22,590	21,823
			American Home Mortgage Investment Trust, Series 2004-3, Class 5A (12 month LIBOR + 1.500%), 3.543%, 10/25/2034 (C)	4,897	4,895
			Banc of America Funding Corp. Series 2006-A, Class 1A1, 4.495%, 02/20/2036 (H)	156,349	156,550

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		

### Global Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		



Countrywide Home Loan Mortgage Pass Through Trust Series 2004-12, Class 11A1, 3.923%, 08/25/2034 (H)	9,465	8,969	Ludgate Funding PLC, Series 2006-1X, Class A2A (3 month GBP LIBOR + 0.190%), 0.977%, 12/01/2060 (C)	GBP	271,562	332,272
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# John Hancock Funds II

## Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Merrill Lynch Mortgage Investors Trust, Series 2003-A2, Class 1A1, 4.359%, 02/25/2033 (H)	\$ 25,198	\$ 25,254
MRFC Mortgage Pass Through Trust, Series 2000-TBC3, Class A1 (1 month LIBOR + 0.440%), 2.205%, 12/15/2030 (C)	123,538	120,787
New Residential Mortgage Loan Trust, Series 2019-RPL3, Class A1, 2.750%, 07/25/2059 (D)(H)	98,264	98,794
Real Estate Asset Liquidity Trust, Series 2018-1A, Class A1, 3.072%, 08/12/2053 (D)	CAD 261,795	200,216
Residential Asset Securitization Trust, Series 2006-R1, Class A2 (1 month LIBOR + 0.400%), 2.108%, 01/25/2046 (C)	\$ 229,378	98,357
Residential Funding Mortgage Securities Trust, Series 2005-SA4, Class 1A21, 4.189%, 09/25/2035 (H)	57,459	47,508
Sequoia Mortgage Trust, Series 5, Class A (1 month LIBOR + 0.700%), 2.433%, 10/19/2026 (C)	24,587	24,285
Structured Adjustable Rate Mortgage Loan Trust		
Series 2004-1, Class 4A1, 4.434%, 02/25/2034 (H)	30,711	30,936
Series 2004-12, Class 7A1, 4.227%, 09/25/2034 (H)	26,678	27,213
Series 2004-19, Class 2A1 (12 month Treasury Average Index + 1.400%), 3.726%, 01/25/2035 (C)	235,857	230,430

### Global Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Uropa Securities PLC (continued)		
Series 2008-1, Class B (3 month GBP LIBOR + 0.750%), 1.522%, 06/10/2059 (C)	GBP 45,141	\$ 54,554
Series 2008-1, Class M1 (3 month GBP LIBOR + 0.350%), 1.122%, 06/10/2059 (C)	54,456	66,430
Series 2008-1, Class M2 (3 month GBP LIBOR + 0.550%), 1.322%, 06/10/2059 (C)	42,992	52,345
WaMu Mortgage Pass-Through Certificates		
Series 2002-AR17, Class 1A (12 month Treasury Average Index + 1.200%), 3.526%, 11/25/2042 (C)	\$ 91,306	90,002
Series 2003-AR5, Class A7, 4.670%, 06/25/2033 (H)	14,066	14,485
Series 2005-AR13, Class A1A1 (1 month LIBOR + 0.290%), 1.998%, 10/25/2045 (C)	43,827	43,170
Series 2005-AR16, Class 1A1, 4.189%, 12/25/2035 (H)	85,674	85,699
Series 2005-AR2, Class 2A1A (1 month LIBOR + 0.310%), 2.018%, 01/25/2045 (C)	68,087	67,662
Series 2006-AR10, Class 2A1, 3.874%, 09/25/2036 (H)	72,354	69,293
Series 2006-AR17, Class 1A1A (12 month Treasury Average Index + 0.810%), 3.200%, 12/25/2046 (C)	150,459	151,551

Series 2004-4, Class 3A2, 4.375%, 04/25/2034 (H)		51,124	53,119	Washington Mutual Mortgage Pass- Through Certificates, Series 2006-AR5, Class 3A (12 month Treasury Average Index + 0.940%), 3.266%, 07/25/2046 (C)		133,397	98,432
Structured Asset Mortgage Investments II Trust, Series 2006-AR3, Class 12A1 (1 month LIBOR + 0.220%), 1.928%, 05/25/2036 (C)		662,786	633,392	Wells Fargo Mortgage Backed Securities Trust, Series 2004-S, Class A1, 4.858%, 09/25/2034 (H)		20,811	20,708
Thornburg Mortgage Securities Trust Series 2007-3, Class 2A1 (12 month LIBOR + 1.250%), 3.159%, 06/25/2047 (C)		73,690	70,408				7,861,379
Series 2007-3, Class 3A1 (12 month LIBOR + 1.250%), 3.159%, 06/25/2047 (C)		172,172	159,671	<b>U.S. Government Agency - 0.6%</b> Federal Home Loan Mortgage Corp. Series 4579, Class SD IO, 2.500%, 01/15/2038		425,834	29,576
Series 2007-3, Class 4A1 (12 month LIBOR + 1.250%), 3.159%, 06/25/2047 (C)		59,459	54,590	Series T-63, Class 1A1 (12 month Treasury Average Index + 1.200%), 3.422%, 02/25/2045 (C)		69,101	69,823
Towd Point Mortgage Funding PLC Series 2019-A13A, Class A1 (3 month SONIA + 0.900%), 0.900%, 07/20/2045 (C)(D)	GBP	250,000	321,967	Federal National Mortgage Association Series 2006-15, Class FC (1 month LIBOR + 0.130%), 1.779%, 03/25/2036 (C)		54,830	54,532
Series 2019-GR4A, Class A1 (3 month GBP LIBOR + 1.025%), 1.820%, 10/20/2051 (C)(D)		266,678	345,637	Series 2006-48, Class TF (1 month LIBOR + 0.400%), 2.108%, 06/25/2036 (C)		30,946	30,883
Towd Point Mortgage Trust, Series 2019-4, Class A1, 2.900%, 10/25/2059 (D)(H)	\$	400,000	404,525	Series 2006-5, Class 3A2, 4.234%, 05/25/2035 (H)		68,029	71,573
Uropa Securities PLC Series 2008-1, Class A (3 month GBP LIBOR + 0.200%), 0.972%, 06/10/2059 (C)	GBP	223,831	278,026				256,387
				<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$8,448,678)</b>			<b>\$ 8,117,766</b>

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

		Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES - 2.8%</b>			
ALME Loan Funding II DAC, Series 2A, Class ARR (3 month EURIBOR + 0.750%) 0.750%, 01/15/2031 (C)(D)	EUR	250,000	\$ 275,450
Evans Grove CLO, Ltd., Series 2018-1A, Class A1 (3 month LIBOR + 0.920%) 2.834%, 05/28/2028 (C)(D)	\$	200,000	198,565
Palmer Square Loan Funding, Ltd., Series 2018-4A, Class A1 (3 month LIBOR + 0.900%) 2.810%, 11/15/2026 (C)(D)		531,914	532,208

### Global Bond Fund (continued)

	Shares or Principal Amount	Value
<b>PURCHASED OPTIONS (continued)</b>		
<b>Calls (continued)</b>		
Exchange Traded Option on Euro- OAT Futures (Expiration Date: 2-21-20; Strike Price: EUR 190.00; Notional Amount: 800,000) (I)	8	\$ 88
Exchange Traded Option on U.K. Long Gilt Bond Futures (Expiration Date: 2-21-20; Strike Price: GBP 165.00; Notional Amount: 600,000) (I)	6	0

SACO I Trust, Series 2005-10, Class 1A (1 month LIBOR + 0.520%) 2.228%, 06/25/2036 (C)	35,709	34,302	Exchange Traded Option on U.S. Ultra Bond Futures (Expiration Date: 2-21-20; Strike Price: \$245.00; Notional Amount: 1,000) (I)	1	9
Terwin Mortgage Trust, Series 2003-6HE, Class A1 (1 month LIBOR + 0.940%) 2.648%, 11/25/2033 (C)	14,654	14,055	Over the Counter Option on the USD vs. JPY (Expiration Date: 1-9-20; Strike Price: \$117.00; Counterparty: Bank of America, N.A.) (I)(J)	1,000,000	1
Venture XVII CLO, Ltd., Series 2014-17A, Class ARR (3 month LIBOR + 0.880%) 2.881%, 04/15/2027 (C)(D)	100,000	99,548	Over the Counter Option on the USD vs. KRW (Expiration Date: 2-20-20; Strike Price: \$1,195.00; Counterparty: HSBC Bank USA) (I)(J)	200,000	1,319
<b>TOTAL ASSET BACKED SECURITIES (Cost \$1,136,134)</b>	<b>\$</b>	<b>1,154,128</b>	Over the Counter Option on the USD vs. KRW (Expiration Date: 2-24-20; Strike Price: \$1,197.00; Counterparty: HSBC Bank USA) (I)(J)	200,000	1,264
<b>COMMON STOCKS - 0.0%</b>					4,099
<b>United States - 0.0%</b>			<b>Puts - 0.1%</b>		
Rescap Liquidating Trust (I)	3,662	2,747	Exchange Traded Option on 10-Year U.S. Treasury Note Futures (Expiration Date: 2-21-20; Strike Price: \$118.00; Notional Amount: 7,000) (I)	7	79
<b>TOTAL COMMON STOCKS (Cost \$858)</b>	<b>\$</b>	<b>2,747</b>	Exchange Traded Option on 2-Year U.S. Treasury Note Futures (Expiration Date: 2-21-20; Strike Price: \$104.88; Notional Amount: 8,000) (I)	4	31
<b>ESCROW SHARES - 0.3%</b>			Exchange Traded Option on 5-Year U.S. Treasury Note Futures (Expiration Date: 2-21-20; Strike Price: \$111.00; Notional Amount: 19,000) (I)	19	223
<b>United States - 0.3%</b>			Exchange Traded Option on Euro BOBL Futures (Expiration Date: 2-21-20; Strike Price: EUR 129.50; Notional Amount: 1,100,000) (I)	11	61
Lehman Brothers Holdings, Inc. 5.625%, 01/24/2013 (I)	\$ 3,600,000	45,720	Exchange Traded Option on Euro BTP Futures (Expiration Date: 2-21-20; Strike Price: EUR 101.00; Notional Amount: 1,300,000) (I)	13	143
6.875%, 05/02/2018 (I)	4,200,000	55,440	Exchange Traded Option on Euro BTP Futures (Expiration Date: 2-21-20; Strike Price: EUR 99.00; Notional Amount: 100,000) (I)	1	11
<b>TOTAL ESCROW SHARES (Cost \$0)</b>	<b>\$</b>	<b>101,160</b>	Over the Counter Option on 30 Year Interest Rate Swap. Receive a floating rate based on 3-month LIBOR and pay a fixed rate of 1.783% (Expiration Date: 8-19-20; Strike Rate: 1.783%; Counterparty: Barclays Bank PLC) (I)(J)	200,000	12,549
<b>PURCHASED OPTIONS - 0.1%</b>					
<b>Calls - 0.0%</b>					
Exchange Traded Option on 10-Year Canada Government Bond Futures (Expiration Date: 2-21-20; Strike Price: CAD 169.00; Notional Amount: 3,000) (I)	3	11			
Exchange Traded Option on 90-Day Eurodollar Futures (Expiration Date: 3-14-22; Strike Price: \$99.75; Notional Amount: 5,000) (I)	2	300			
Exchange Traded Option on 90-Day Eurodollar Futures (Expiration Date: 6-13-22; Strike Price: \$99.75; Notional Amount: 7,500) (I)	3	450			
Exchange Traded Option on Euro BUND Futures (Expiration Date: 2-21-20; Strike Price: EUR 187.00; Notional Amount: 2,400,000) (I)	24	265			
Exchange Traded Option on Euro BUND Futures (Expiration Date: 2-21-20; Strike Price: EUR 194.00; Notional Amount: 400,000) (I)	4	45			
Exchange Traded Option on Euro SCHATZ Futures (Expiration Date: 2-21-20; Strike Price: EUR 114.00 Notional Amount: 6,300,000) (I)	63	347			

**Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)**

**Global Bond Fund (continued)**

	Shares or Principal Amount	Value
<b>PURCHASED OPTIONS</b>		
<b>(continued)</b>		
<b>Puts (continued)</b>		
Over the Counter Option on 30 Year Interest Rate Swap. Receive a floating rate based on 3-month USD LIBOR and pay a fixed rate of 1.733% (Expiration Date: 8-26-21; Strike Rate: 1.733%; Counterparty: Credit Suisse Securities (USA) LLC) (I)(J)	200,000	\$ 19,255
Over the Counter Option on 30 Year Interest Rate Swap. Receive a floating rate based on 3-month USD LIBOR and pay a fixed rate of 1.752% (Expiration Date: 8-23-21; Strike Rate: 1.752%; Counterparty: Morgan Stanley & Company, Inc.) (I)(J)	100,000	9,362
Over the Counter Option on 30 Year Interest Rate Swap. Receive a floating rate based on 3-month USD LIBOR and pay a fixed rate of 2.175% (Expiration Date: 9-15-21; Strike Rate: 2.175%; Counterparty: Bank of America, N.A. (I)(J)	100,000	4,919
Over the Counter Option on Federal National Mortgage Association, 3.500% due TBA (Expiration Date: 1-7-20; Strike Price: \$73.00; Counterparty: JPMorgan Chase Bank, N.A.) (I)(J)	1,200,000	0
Over the Counter Option on the EUR vs. NOK (Expiration Date: 1-20-20; Strike Price: EUR 9.90; Counterparty: HSBC Bank USA) (I)(J)	200,000	247
Over the Counter Option on the EUR vs. NOK (Expiration Date: 1-23-20; Strike Price: EUR 9.87; Counterparty: Morgan Stanley & Company International PLC) (I)(J)	180,000	206
Over the Counter Option on the EUR vs. USD (Expiration Date: 12-2-19; Strike Price: EUR 1.07; Counterparty: Bank of America, N.A.) (I)(J)	2,000,000	2
Over the Counter Option on the EUR vs. USD (Expiration Date: 12-3-19; Strike Price: EUR 1.06; Counterparty: BNP Paribas SA) (I)(J)	3,300,000	4
		47,092

**Global Bond Fund (continued)**

	Shares or Principal Amount	Value
<b>SALE COMMITMENTS</b>		
<b>OUTSTANDING - (2.0%)</b>		
<b>U.S. Government Agency - (2.0)%</b>		
Federal National Mortgage Association		
4.000%, TBA (B)	\$ (500,000)	\$ (518,076)
4.500%, TBA (B)	(300,000)	(315,164)
<b>TOTAL SALE COMMITMENTS OUTSTANDING (Cost \$(833,873))</b>		<b>\$ (833,240)</b>
<b>SECURITIES SOLD SHORT - (1.9%)</b>		
<b>Foreign government - (1.9)%</b>		
Government of Canada		
2.750%, 12/01/2048	CAD (800,000)	(768,802)
<b>TOTAL SECURITIES SOLD SHORT (Cost \$(767,787))</b>		<b>\$ (768,802)</b>

Currency Abbreviations

AUD	Australian Dollar
CAD	Canadian Dollar
DKK	Danish Krone
EUR	Euro
GBP	Pound Sterling
JPY	Japanese Yen
KRW	Korean Won
NOK	Norwegian Krone
PEN	Peruvian Nuevo Sol
PLN	Polish Zloty
SEK	Swedish Krona

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
CPI	Consumer Price Index
EURIBOR	Euro Interbank Offered Rate
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
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
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)	Variable rate obligation. The coupon rate shown represents the rate at period end.

TOTAL PURCHASED OPTIONS (Cost \$43,064)	\$	51,191
<b>SHORT-TERM INVESTMENTS - 1.5%</b>		
<b>Repurchase agreement - 1.5%</b>		
Repurchase Agreement with HSBC		
Bank PLC dated 11-29-19 at 1.670%		
to be repurchased at \$600,084 on		
12-2-19, collateralized by \$596,300		
U.S. Treasury Notes, 2.750% due		
5-31-23 (maturity value of		
\$617,767)	\$	600,000
		600,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$600,000)	\$	600,000
<b>Total Investments (Global Bond Fund)</b>		
<b>(Cost \$61,026,308) - 150.5%</b>		
	\$	61,605,523
<b>Other assets and liabilities, net - (50.5%)</b>		
		(20,669,001)
<b>TOTAL NET ASSETS - 100.0%</b>	<b>\$</b>	<b>40,936,522</b>

- (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 \$9,236,569 or 22.6% of the fund's net assets as of 11-30-19.
- (E) Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
- (F) 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) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
- (I) Non-income producing security.

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

- (J) For this type of option, notional amounts are equivalent to number of contracts.

#### 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	8	Long	Mar 2020	\$1,038,401	\$1,034,875	\$(3,526)
2-Year U.S. Treasury Note Futures	4	Long	Mar 2020	862,286	862,344	58
3-Year Australian Treasury Bond Futures	18	Long	Dec 2019	1,403,479	1,410,334	6,855
5-Year U.S. Treasury Note Futures	19	Long	Mar 2020	2,265,032	2,260,406	(4,626)
Euro-BTP Italian Government Bond Futures	14	Long	Mar 2020	2,219,082	2,210,276	(8,806)
Euro-Buxl Futures	3	Long	Dec 2019	740,082	688,449	(51,633)
German Euro BOBL Futures	11	Long	Dec 2019	1,655,900	1,627,931	(27,969)
Short-Term Euro-Buxl Futures	19	Long	Mar 2020	2,350,603	2,351,538	935
10-Year Australian Treasury Bond Futures	1	Short	Dec 2019	(98,583)	(99,425)	(842)
10-Year Canada Government Bond Futures	3	Short	Mar 2020	(317,334)	(316,352)	982
Euro SCHATZ Futures	63	Short	Mar 2020	(7,774,761)	(7,772,563)	2,198
Euro-OAT Futures	8	Short	Mar 2020	(1,453,618)	(1,455,169)	(1,551)
German Euro BUND Futures	1	Short	Dec 2019	(188,726)	(188,485)	241
German Euro BUND Futures	26	Short	Mar 2020	(4,967,480)	(4,957,900)	9,580
U.K. Long Gilt Bond Futures	6	Short	Mar 2020	(1,028,439)	(1,030,191)	(1,752)
Ultra U.S. Treasury Bond Futures	1	Short	Mar 2020	(187,780)	(187,719)	61
						<b>\$(79,795)</b>

^ 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	354,000	USD	241,236	BOA	12/4/2019	—	\$(1,784)
AUD	296,000	USD	204,713	CITI	12/4/2019	—	(4,493)
AUD	999,046	USD	683,393	SCB	2/14/2020	—	(6,349)
BRL	278,032	USD	65,822	CITI	12/3/2019	—	(151)
BRL	1,591,604	USD	395,961	CSFB	12/3/2019	—	(20,024)
BRL	638,032	USD	156,000	GSI	12/3/2019	—	(5,297)
BRL	1,951,604	USD	462,028	MSI	12/3/2019	—	(1,059)
BRL	278,032	USD	66,298	CITI	1/3/2020	—	(732)
BRL	652,480	USD	154,677	GSI	1/3/2020	—	(808)
BRL	1,951,604	USD	462,055	MSI	1/3/2020	—	(1,825)
CAD	21,261	USD	16,000	BOA	12/3/2019	\$6	—
CAD	60,000	USD	45,226	HUS	12/3/2019	—	(56)
CAD	967,625	USD	741,078	JPM	12/3/2019	—	(12,610)
CAD	161,000	USD	120,944	CITI	12/4/2019	263	—
CAD	318,000	USD	240,610	MSI	12/4/2019	—	(1,206)
CAD	677,625	USD	509,110	UBS	1/10/2020	1,232	—
CHF	41,000	USD	41,615	CITI	12/4/2019	—	(602)
CHF	78,000	USD	78,287	MSI	12/4/2019	—	(262)
CHF	213,000	USD	216,846	HUS	2/14/2020	—	(2,532)
CLP	21,231,010	USD	29,937	BARC	12/3/2019	—	(3,522)
CLP	21,231,010	USD	26,142	HUS	12/3/2019	273	—
CLP	49,315,200	USD	66,000	BNP	1/27/2020	—	(4,486)
CLP	38,797,400	USD	52,000	CITI	1/27/2020	—	(3,606)
CLP	25,338,500	USD	34,000	GSI	1/27/2020	—	(2,394)
CLP	21,231,010	USD	26,785	HUS	2/24/2020	—	(291)
CNY	3,562,304	USD	496,329	NWM	12/18/2019	10,140	—
CNY	1,030,582	USD	142,898	BOA	3/18/2020	3,262	—
CNY	491,945	USD	69,688	BARC	3/18/2020	81	—
CNY	817,000	USD	115,606	BNP	3/18/2020	264	—
CNY	1,692,000	USD	236,829	DB	3/18/2020	3,136	—
CNY	1,734,786	USD	243,456	HUS	3/18/2020	2,578	—
CNY	978,369	USD	136,542	SCB	3/18/2020	2,213	—
COP	1,171,476,050	USD	334,001	HUS	1/15/2020	—	(1,734)
CZK	1,024,850	USD	43,818	HUS	1/17/2020	446	—
DKK	1,700,000	USD	250,681	GSI	1/2/2020	676	—
DKK	1,965,000	USD	294,111	NWM	1/2/2020	—	(3,571)

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Global Bond Fund (continued)

### FORWARD FOREIGN CURRENCY CONTRACTS (continued)

	Contract to buy		Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
EUR	115,011	RON	570,431	BOA	3/16/2020	—	\$(3,241)
EUR	100,142	RON	497,280	BNP	3/16/2020	—	(2,959)
EUR	100,877	RON	500,854	CITI	3/16/2020	—	(2,963)
EUR	100,970	RON	501,659	MSI	3/16/2020	—	(3,044)
EUR	146,000	USD	160,790	CITI	12/4/2019	\$82	—
EUR	1,000	USD	1,105	UBS	12/4/2019	—	(3)
EUR	5,485,214	USD	6,081,144	BOA	2/14/2020	—	(6,393)
EUR	55,000	USD	61,180	HUS	2/14/2020	—	(269)
EUR	16,000	USD	20,456	MSI	6/28/2021	—	(2,216)
GBP	1,205,833	USD	1,559,015	BNP	12/3/2019	489	—
GBP	199,000	USD	257,490	HUS	12/3/2019	—	(123)
GBP	62,000	USD	79,824	CITI	12/4/2019	362	—
HKD	40,733	USD	5,213	BNP	12/16/2019	—	(10)
HKD	347,854	USD	44,521	HUS	12/16/2019	—	(90)
HKD	1,585,156	USD	202,885	JPM	12/16/2019	—	(414)
HKD	858,458	USD	109,883	MSI	12/16/2019	—	(233)
HKD	708,000	USD	90,616	SCB	12/16/2019	—	(184)
HKD	57,799	USD	7,383	HUS	12/18/2019	—	(1)
HKD	2,462,529	USD	314,000	BARC	9/3/2020	206	—
HUF	13,831,746	USD	46,777	JPM	2/10/2020	—	(1,050)
IDR	450,656,000	USD	32,000	HUS	12/18/2019	—	(125)
IDR	128,160,000	USD	9,000	JPM	12/18/2019	65	—
IDR	470,085,000	USD	33,000	MSI	12/18/2019	250	—
IDR	7,948,613,300	USD	551,320	SCB	12/18/2019	10,894	—
IDR	7,272,806,300	USD	508,801	DB	3/18/2020	73	—
ILS	182,000	USD	51,931	JPM	12/16/2019	484	—
INR	71,890	USD	1,000	BOA	12/18/2019	1	—
INR	5,103,480	USD	71,000	BNP	12/18/2019	42	—
INR	2,083,215	USD	29,000	HUS	12/18/2019	—	(1)
INR	4,535,740	USD	62,819	JPM	12/18/2019	319	—
INR	29,792,280	USD	406,000	HUS	4/27/2020	2,825	—
INR	29,681,880	USD	404,000	BNP	5/4/2020	2,977	—
JPY	13,191,000	USD	121,247	BNP	12/4/2019	—	(688)
JPY	33,000,000	USD	305,572	HUS	1/21/2020	—	(2,868)
JPY	387,578,501	USD	3,576,731	HUS	2/14/2020	—	(16,732)
KRW	65,008,222	USD	56,000	BNP	12/4/2019	—	(963)
KRW	1,160,980	USD	1,000	GSI	12/4/2019	—	(17)
KRW	89,457,202	USD	77,103	BNP	12/18/2019	—	(1,348)
KRW	77,243,600	USD	66,000	CITI	12/18/2019	—	(588)
KRW	728,195,356	USD	604,338	HUS	12/18/2019	12,315	—
KRW	141,054,000	USD	120,000	HUS	12/26/2019	—	(510)
KRW	538,061,743	USD	458,596	CITI	3/18/2020	—	(2,064)
MXN	528,528	USD	27,000	GSI	12/10/2019	—	(22)
MXN	2,277,462	USD	114,999	HUS	1/16/2020	671	—
MXN	109,528	USD	5,581	BNP	1/22/2020	—	(23)
MXN	5,142,000	USD	255,865	JPM	1/22/2020	5,068	—
MXN	2,991,000	USD	148,507	GSI	1/28/2020	3,144	—
MYR	579,158	USD	137,764	MSI	12/18/2019	554	—
MYR	466,087	USD	111,283	BARC	3/18/2020	—	(60)
NOK	370,000	USD	40,477	BNP	12/4/2019	—	(350)

NOK	367,000	USD	40,292	CITI	12/4/2019	—	(491)
NOK	422,000	USD	45,943	HUS	2/14/2020	—	(152)
NZD	66,000	USD	42,516	HUS	12/3/2019	—	(144)
NZD	251,000	USD	160,686	HUS	12/4/2019	459	—
NZD	190,000	USD	121,411	SCB	12/4/2019	572	—
NZD	66,000	USD	42,439	UBS	1/10/2020	—	(41)
PEN	558,275	USD	166,035	CITI	1/10/2020	—	(2,212)
PLN	173,000	USD	45,172	MLI	2/10/2020	—	(992)
PLN	652,548	USD	166,469	SCB	2/10/2020	175	—
RON	487,000	EUR	100,079	CITI	3/16/2020	670	—
RON	1,461,717	EUR	301,344	GSI	3/16/2020	946	—
RON	136,996	EUR	28,180	MSI	3/16/2020	158	—
RUB	11,616,019	USD	181,000	CITI	12/16/2019	—	(689)
SEK	1,175,629	USD	122,774	BNP	12/4/2019	—	(4)
SEK	771,000	USD	80,366	SCB	12/4/2019	149	—
SEK	350,854	USD	36,133	MSI	2/14/2020	660	—

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

#### FORWARD FOREIGN CURRENCY CONTRACTS (continued)

	Contract to buy		Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
SGD	394,000	USD	287,579	BARC	12/18/2019	\$549	—
SGD	101,000	USD	73,814	GSI	12/18/2019	46	—
SGD	141,000	USD	103,595	MSI	12/18/2019	—	\$(483)
SGD	106,631	USD	78,136	HUS	3/18/2020	—	(76)
THB	5,478,596	USD	178,823	BNP	12/18/2019	2,532	—
THB	4,963,938	USD	164,450	BNP	3/18/2020	192	—
TWD	1,785,051	USD	59,000	BNP	12/2/2019	—	(494)
TWD	4,881,085	USD	161,000	GSI	12/2/2019	—	(1,020)
TWD	6,666,136	USD	218,533	HUS	12/2/2019	—	(47)
TWD	1,888,769	USD	62,000	CITI	12/18/2019	—	(84)
TWD	10,558,780	USD	344,808	DB	12/18/2019	1,325	—
TWD	8,849,866	USD	292,507	HUS	12/18/2019	—	(2,395)
TWD	942,710	USD	30,980	NOM	12/18/2019	—	(76)
USD	42,091	AUD	61,000	GSI	12/4/2019	830	—
USD	200,828	AUD	293,000	MSI	12/4/2019	2,637	—
USD	79,916	AUD	118,000	SCB	12/4/2019	98	—
USD	66,404	BRL	278,032	CITI	12/3/2019	732	—
USD	376,800	BRL	1,591,604	CSFB	12/3/2019	863	—
USD	151,049	BRL	638,032	GSI	12/3/2019	346	—
USD	462,794	BRL	1,951,604	MSI	12/3/2019	1,826	—
USD	121,000	BRL	516,852	CITI	1/3/2020	—	(885)
USD	266,010	CAD	350,000	HUS	12/3/2019	2,515	—
USD	508,930	CAD	677,625	UBS	12/3/2019	—	(1,215)
USD	79,439	CAD	105,000	BOA	12/4/2019	390	—

USD	80,597	CAD	106,000	HUS	12/4/2019	796	—
USD	41,072	CAD	54,000	JPM	12/4/2019	418	—
USD	201,462	CHF	199,000	BNP	12/4/2019	2,398	—
USD	203,952	CHF	201,000	MSI	12/4/2019	2,888	—
USD	26,142	CLP	21,231,010	BARC	12/3/2019	—	(273)
USD	26,706	CLP	21,231,010	HUS	12/3/2019	291	—
USD	38,877	CLP	28,199,550	BOA	1/27/2020	3,702	—
USD	122,229	CLP	88,545,220	CSFB	1/27/2020	11,782	—
USD	80,693	CNY	573,000	BNP	3/18/2020	—	(572)
USD	57,688	CNY	415,616	DB	3/18/2020	—	(1,256)
USD	338,698	CNY	2,413,122	HUS	3/18/2020	—	(3,539)
USD	15,988	CNY	114,000	UBS	3/18/2020	—	(180)
USD	68,000	COP	227,422,500	CITI	1/15/2020	3,496	—
USD	169,539	COP	589,056,610	CITI	2/14/2020	2,720	—
USD	2,222,187	DKK	14,983,093	BOA	1/2/2020	6,827	—
USD	116,854	DKK	785,000	BNP	1/2/2020	786	—
USD	101,816	DKK	685,000	CITI	1/2/2020	533	—
USD	132,133	DKK	885,000	HUS	1/2/2020	1,279	—
USD	117,041	DKK	785,000	JPM	1/2/2020	973	—
USD	122,426	EUR	109,452	BNP	12/4/2019	1,824	—
USD	122,015	EUR	110,000	CITI	12/4/2019	810	—
USD	32,172	EUR	29,000	CITI	2/14/2020	55	—
USD	1,783,292	GBP	1,384,833	CITI	12/3/2019	—	(7,712)
USD	25,950	GBP	20,000	HUS	12/3/2019	84	—
USD	80,405	GBP	62,000	CITI	12/4/2019	219	—
USD	1,561,494	GBP	1,205,833	BNP	1/10/2020	—	(548)
USD	59,068	HKD	462,000	BARC	12/16/2019	57	—
USD	110,028	HKD	861,000	CITI	12/16/2019	53	—
USD	214,551	HKD	1,677,522	HUS	12/16/2019	284	—
USD	68,975	HKD	539,679	MSI	12/16/2019	43	—
USD	28,000	HKD	220,010	BNP	9/3/2020	—	(72)
USD	287,000	HKD	2,255,533	SCB	9/3/2020	—	(795)
USD	514,343	IDR	7,272,806,300	DB	12/18/2019	—	(71)
USD	69,638	IDR	988,648,000	HUS	12/18/2019	—	(290)
USD	52,000	IDR	736,060,000	JPM	12/18/2019	—	(62)
USD	73,000	IDR	1,040,834,000	HUS	3/18/2020	173	—
USD	23,324	ILS	81,000	SCB	12/16/2019	—	(3)
USD	81,000	INR	5,901,660	GSI	12/18/2019	—	(1,153)
USD	31,000	INR	2,254,165	SCB	12/18/2019	—	(379)
USD	50,000	INR	3,638,500	UBS	12/18/2019	—	(649)
USD	410,645	INR	29,792,280	GSI	4/27/2020	1,820	—
USD	206,758	INR	14,853,880	HUS	5/4/2020	3,092	—

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

#### FORWARD FOREIGN CURRENCY CONTRACTS (continued)

	Contract to buy		Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD	205,773	INR	14,828,000	JPM	5/4/2020	\$2,462	—
USD	161,812	JPY	17,582,000	BNP	12/4/2019	1,120	—
USD	307,763	JPY	33,000,000	UBS	1/21/2020	5,058	—
USD	57,085	KRW	66,169,202	BNP	12/4/2019	1,065	—
USD	24,000	KRW	28,736,400	BOA	12/18/2019	—	\$(335)
USD	729,343	KRW	861,132,008	CITI	12/18/2019	115	—
USD	4,182	KRW	5,027,750	HUS	12/18/2019	—	(75)
USD	62,000	KRW	72,887,200	DB	12/26/2019	256	—
USD	58,000	KRW	68,167,400	HUS	12/26/2019	254	—
USD	5,616	MXN	109,528	BNP	12/10/2019	26	—
USD	69,242	MXN	1,353,000	GSI	12/10/2019	181	—
USD	21,705	MXN	419,000	RBC	12/10/2019	318	—
USD	49,352	MXN	957,000	BARC	1/16/2020	748	—
USD	138,336	MYR	579,158	BARC	12/18/2019	19	—
USD	160,629	NOK	1,474,000	JPM	12/4/2019	773	—
USD	42,412	NZD	66,000	UBS	12/3/2019	40	—
USD	41,060	NZD	64,000	HUS	12/4/2019	—	(29)
USD	161,320	NZD	252,000	UBS	12/4/2019	—	(465)
USD	275,881	PEN	926,325	CITI	1/10/2020	4,055	—
USD	209,290	PEN	700,537	CITI	2/12/2020	3,978	—
USD	192,366	PLN	739,000	BNP	2/10/2020	3,645	—
USD	64,688	PLN	248,000	JPM	2/10/2020	1,356	—
USD	34,405	PLN	132,000	SCB	2/10/2020	696	—
USD	40,526	SEK	393,000	BNP	12/4/2019	—	(515)
USD	120,703	SEK	1,164,000	UBS	12/4/2019	—	(853)
USD	78,061	SGD	106,631	HUS	12/18/2019	83	—
USD	381,520	SGD	529,369	MSI	12/18/2019	—	(5,601)
USD	164,309	THB	4,963,938	BNP	12/18/2019	—	(10)
USD	16,988	THB	514,658	NWM	12/18/2019	—	(48)
USD	58,519	TWD	1,785,051	BNP	12/2/2019	12	—
USD	160,015	TWD	4,881,085	GSI	12/2/2019	34	—
USD	220,048	TWD	6,666,136	HUS	12/2/2019	1,561	—
USD	476,194	TWD	14,812,000	BNP	12/18/2019	—	(9,366)
USD	72,416	TWD	2,226,805	MSI	12/18/2019	—	(582)
USD	170,145	TWD	5,201,320	NOM	12/18/2019	—	(363)
USD	97,680	TWD	2,950,509	DB	3/18/2020	233	—
						<b>\$159,552</b>	<b>\$(176,242)</b>

## WRITTEN OPTIONS

### Foreign currency options

Description	Counterparty (OTC)		Exercise price	Expiration date	Notional amount*	Premium	Value
<b>Calls</b>							
U.S. Dollar versus Chinese Yuan Renminbi	HUS	USD	7.11	Dec 2019	200,000	\$ 578	\$ (82)
						<b>\$ 578</b>	<b>\$ (82)</b>
<b>Puts</b>							
U.S. Dollar versus Brazilian Real	GSI	USD	3.88	Dec 2019	236,000	1,541	—
U.S. Dollar versus Chinese Yuan Renminbi	HUS	USD	7.00	Dec 2019	200,000	578	(168)

U.S. Dollar versus Korean Won	HUS	USD	1,150.60	Feb 2020	200,000	1,200	(598)	
U.S. Dollar versus Korean Won	HUS	USD	1,156.35	Feb 2020	200,000	1,354	(847)	
							<b>\$4,673</b>	<b>\$(1,613)</b>
							<b>\$5,251</b>	<b>\$(1,695)</b>

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

### Interest rate swaptions

Description	Counterparty (OTC)	Floating rate index	Pay/receive floating rate	Exercise rate	Expiration date		Notional amount*	Premium	Value
<b>Calls</b>									
2-Year Interest Rate Swap	GSI	3 month USD LIBOR	Receive	1.540%	Feb 2020	USD	900,000	\$ 2,081	\$(1,634)
2-Year Interest Rate Swap	BOA	3 month USD LIBOR	Receive	1.570%	Feb 2020	USD	1,100,000	2,461	(2,313)
30-Year Interest Rate Swap	CITI	6 month EUR EURIBOR	Receive	0.050%	Dec 2019	EUR	100,000	2,572	—

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# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

#### Interest rate swaptions (continued)

Description	Counterparty (OTC)	Floating rate index	Pay/receive floating rate	Exercise rate	Expiration date		Notional amount*	Premium	Value
30-Year Interest Rate Swap	DB	6 month EUR EURIBOR	Receive	0.000%	Dec 2019	EUR	100,000	\$ 2,284	\$(13)
5-Year Interest Rate Swap	GSI	3 month USD LIBOR	Receive	1.530%	Dec 2019	USD	400,000	498	(443)
							<b>\$ 9,896</b>	<b>\$(4,403)</b>	
<b>Puts</b>									
2-Year Interest Rate Swap	GSI	3 month USD LIBOR	Pay	1.540%	Feb 2020	USD	900,000	2,081	(2,098)
2-Year Interest Rate Swap	BOA	3 month USD LIBOR	Pay	1.570%	Feb 2020	USD	1,100,000	2,461	(2,223)
2-Year Interest Rate Swap	MSI	6 month JPY LIBOR	Pay	0.047%	Jun 2020	JPY	77,000,000	253	(556)
3-Year Interest Rate Swap	BARC	3 month USD LIBOR	Pay	1.456%	Aug 2020	USD	1,700,000	10,434	(12,550)
3-Year Interest Rate Swap	MSI	3 month USD LIBOR	Pay	1.448%	Aug 2021	USD	800,000	7,126	(9,409)
3-Year Interest Rate Swap	CSFB	3 month USD LIBOR	Pay	1.399%	Aug 2021	USD	1,700,000	15,099	(21,336)
3-Year Interest Rate Swap	BOA	3 month USD LIBOR	Pay	1.880%	Sep 2021	USD	800,000	3,971	(5,025)
5-Year Interest Rate Swap	GSI	3 month USD LIBOR	Pay	1.800%	Dec 2019	USD	400,000	452	(29)
							<b>\$41,877</b>	<b>\$(53,226)</b>	

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

**Credit default swaptions**

Description	Counterparty (OTC)	Index	Buy/sell protection	Exercise rate	Expiration date	Notional amount*	Premium	Value
<b>Calls</b>								
5-Year Credit Default Swap	CSFB	CDX.NA.IG.33	Buy	0.525%	Dec 2019	USD 100,000	\$ 67	\$(145)
5-Year Credit Default Swap	DB	iTraxx Europe Series 31 Version 2	Buy	0.400%	Dec 2019	EUR 100,000	50	(54)
5-Year Credit Default Swap	GSI	CDX.NA.IG.33	Buy	0.500%	Dec 2019	USD 100,000	48	(67)
5-Year Credit Default Swap	MLI	iTraxx Europe Series 32 Version 1	Buy	0.475%	Dec 2019	EUR 100,000	55	(75)
5-Year Credit Default Swap	DB	iTraxx Europe Series 32 Version 1	Buy	0.475%	Jan 2020	EUR 100,000	55	(99)
5-Year Credit Default Swap	BARC	iTraxx Europe Series 32 Version 1	Buy	0.475%	Feb 2020	EUR 100,000	59	(133)
5-Year Credit Default Swap	BNP	iTraxx Europe Series 32 Version 1	Buy	0.450%	Feb 2020	EUR 100,000	55	(74)
5-Year Credit Default Swap	BNP	CDX.NA.IG.33	Buy	0.475%	Feb 2020	USD 100,000	47	(80)
5-Year Credit Default Swap	CITI	iTraxx Europe Series 32 Version 1	Buy	0.475%	Feb 2020	EUR 100,000	74	(133)
5-Year Credit Default Swap	DB	iTraxx Europe Series 32 Version 1	Buy	0.425%	Feb 2020	EUR 100,000	39	(38)
5-Year Credit Default Swap	BARC	iTraxx Europe Series 32 Version 1	Buy	0.425%	Mar 2020	EUR 100,000	50	(58)
5-Year Credit Default Swap	BNP	iTraxx Europe Series 32 Version 1	Buy	0.450%	Mar 2020	EUR 200,000	161	(209)
5-Year Credit Default Swap	BOA	iTraxx Europe Series 32 Version 1	Buy	0.425%	Mar 2020	EUR 100,000	58	(58)
5-Year Credit Default Swap	DB	iTraxx Europe Series 32 Version 1	Buy	0.450%	Mar 2020	EUR 100,000	72	(104)
5-Year Credit Default Swap	JPM	iTraxx Europe Series 32 Version 1	Buy	0.450%	Mar 2020	EUR 100,000	95	(104)
							<b>\$ 985</b>	<b>\$(1,431)</b>
<b>Puts</b>								
5-Year Credit Default Swap	DB	iTraxx Europe Series 31 Version 2	Sell	0.700%	Dec 2019	EUR 100,000	105	(1)
5-Year Credit Default Swap	MLI	iTraxx Europe Series 32 Version 1	Sell	0.800%	Dec 2019	EUR 100,000	95	(1)
5-Year Credit Default Swap	BNP	CDX.NA.IG.33	Sell	0.900%	Jan 2020	USD 100,000	131	(1)
5-Year Credit Default Swap	CITI	CDX.NA.IG.33	Sell	0.900%	Jan 2020	USD 100,000	131	(1)
5-Year Credit Default Swap	CITI	CDX.NA.IG.33	Sell	1.000%	Jan 2020	USD 100,000	80	—
5-Year Credit Default Swap	CSFB	CDX.NA.IG.33	Sell	0.900%	Jan 2020	USD 100,000	111	(1)
5-Year Credit Default Swap	DB	iTraxx Europe Series 32 Version 1	Sell	0.800%	Jan 2020	EUR 100,000	148	(4)
5-Year Credit Default Swap	BARC	iTraxx Europe Series 32 Version 1	Sell	0.800%	Feb 2020	EUR 100,000	201	(26)
5-Year Credit Default Swap	BNP	iTraxx Europe Series 32 Version 1	Sell	0.900%	Feb 2020	EUR 100,000	153	(15)

5-Year Credit Default Swap	BNP	CDX.NA.IG.33	Sell	0.800%	Feb 2020	USD	100,000	55	(25)
5-Year Credit Default Swap	CITI	iTraxx Europe Series 32 Version 1	Sell	0.850%	Feb 2020	EUR	100,000	116	(19)
5-Year Credit Default Swap	DB	iTraxx Europe Series 32 Version 1	Sell	0.700%	Feb 2020	EUR	100,000	89	(44)
5-Year Credit Default Swap	BARC	iTraxx Europe Series 32 Version 1	Sell	0.700%	Mar 2020	EUR	100,000	121	(75)
5-Year Credit Default Swap	BNP	iTraxx Europe Series 32 Version 1	Sell	0.800%	Mar 2020	EUR	300,000	401	(139)
5-Year Credit Default Swap	BOA	iTraxx Europe Series 32 Version 1	Sell	0.700%	Mar 2020	EUR	100,000	116	(75)
5-Year Credit Default Swap	JPM	iTraxx Europe Series 32 Version 1	Sell	0.800%	Mar 2020	EUR	100,000	115	(46)
								<b>\$2,168</b>	<b>\$ (473)</b>
								<b>\$3,153</b>	<b>\$(1,904)</b>

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

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (continued)

#### Inflation floors

Description	Counterparty (OTC)	Initial index	Exercise index	Expiration date	Notional amount*	Premium	Value
CPURNSA Index	CITI	217.965	Maximum of $((1+0.0\%)_{10} - (\text{Final Index}/\text{Index Initial}))$ or \$0	Sep 2020	USD 1,600,000	\$20,640	—
						<b>\$20,640</b>	<b>—</b>

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

#### Interest rate floors

Description	Counterparty (OTC)	Strike rate	Floating rate index	Expiration date	Notional amount*	Premium	Value
1 Year Interest Rate Floor	MSCS	0.000%	1-Month USD LIBOR	Oct 2022	USD 750,000	\$ 773	\$(363)
1 Year Interest Rate Floor	MSCS	0.000%	1-Month USD LIBOR	Oct 2022	USD 500,000	494	(242)
						<b>\$1,267</b>	<b>\$(605)</b>

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

### SWAPS

#### Interest rate swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value	
BARC	800,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.935%	Quarterly	Quarterly	Apr 2024	—	\$238	\$238	
BNP	800,000	ILS	ILS TELBOR Reuters	Fixed 1.180%	Annual	Quarterly	Jan 2024	—	11,079	11,079	
BNP	100,000	ILS	ILS TELBOR Reuters	Fixed 1.786%	Annual	Quarterly	May 2029	—	2,950	2,950	
BOA	326,400,000	KRW	KRW CD KSDA Bloomberg	Fixed 1.725%	Quarterly	Quarterly	Mar 2024	—	4,884	4,884	
CITI	2,600,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.925%	Quarterly	Quarterly	Jun 2024	—	611	611	
CITI	1,000,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.898%	Quarterly	Quarterly	Jul 2024	—	(15)	(15)	
CITI	200,000	ILS	ILS TELBOR Reuters	Fixed 1.755%	Annual	Quarterly	Apr 2029	—	5,731	5,731	
DB	2,600,000	CNY	CNY CNREPOFIX Reuters	Fixed 3.023%	Quarterly	Quarterly	Jun 2024	—	2,145	2,145	
GSCM	325,800,000	KRW	KRW CD KSDA Bloomberg	Fixed 1.785%	Quarterly	Quarterly	Mar 2029	—	11,483	11,483	
GSCM	100,000	ILS	ILS TELBOR Reuters	Fixed 1.779%	Annual	Quarterly	Apr 2029	—	2,932	2,932	
GSI	2,700,000	CNY	CNY CNREPOFIX Reuters	Fixed 3.213%	Quarterly	Quarterly	Jun 2024	—	5,517	5,517	
HUS	100,000	ILS	ILS TELBOR Reuters	Fixed 1.785%	Annual	Quarterly	Apr 2029	—	2,954	2,954	
JPM	3,500,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.785%	Quarterly	Quarterly	Jul 2024	—	(2,552)	(2,552)	
JPM	200,000	ILS	ILS TELBOR Reuters	Fixed 1.775%	Annual	Quarterly	Apr 2029	\$85	5,767	5,852	
SCB	5,200,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.840%	Quarterly	Quarterly	Jul 2024	—	(2,048)	(2,048)	
								<b>\$85</b>	<b>\$51,676</b>	<b>\$51,761</b>	
Centrally cleared	14,100,000	USD		USD LIBOR Fixed 1.750%	BBA	Semi-Annual	Quarterly	Jun 2020	76,271	(116,077)	(39,806)
Centrally cleared	7,100,000	USD		USD LIBOR BBA	Fixed 2.750%	Semi-Annual	Quarterly	Dec 2020	(11,440)	144,242	132,802
Centrally cleared	500,000	BRL		BRL CDI	Fixed 8.880%	At Maturity	At Maturity	Jan 2021	(2,545)	11,358	8,813
Centrally cleared	900,000	USD		USD LIBOR BBA	Fixed 3.000%	Semi-Annual	Quarterly	Jun 2021	7,349	19,211	26,560
Centrally cleared	120,000,000	JPY		Fixed 0.000%	JPY LIBOR BBA	Semi-Annual	Semi-Annual	Jun 2021	(530)	(163)	(693)
Centrally cleared	1,600,000	USD		Fixed 1.750%	USD LIBOR BBA	Semi-Annual	Quarterly	Jun 2021	23,452	(30,979)	(7,527)
Centrally cleared	1,400,000	EUR		Fixed 0.000%	EUR EURIBOR Reuters	Annual	Semi-Annual	Dec 2021	(11,710)	1,317	(10,393)
Centrally cleared	1,800,000	USD		Fixed 2.500%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2021	(24,997)	(6,531)	(31,528)
Centrally cleared	800,000	GBP		Fixed 0.750%	GBP LIBOR BBA	Semi-Annual	Semi-Annual	Mar 2022	(933)	540	(393)
Centrally cleared	5,900,000	USD		1 month LIBOR + 0.084%	3 month LIBOR	Quarterly	Quarterly	Jun 2022	—	7,463	7,463
Centrally cleared	4,200,000	USD		1 month LIBOR + 0.070%	3 month LIBOR	Quarterly	Quarterly	Jun 2022	—	6,852	6,852

Centrally cleared	2,100,000	USD	1 month LIBOR + 0.085%	3 month LIBOR	Quarterly	Quarterly	Jun 2022	(80)	3,007	2,927
Centrally cleared	5,800,000	MXN	MXN TIIE Banxico	Fixed 5.825%	Monthly	Monthly	Jan 2023	(16,969)	9,439	(7,530)
Centrally cleared	1,100,000	ZAR	ZAR JIBAR SAFEX	Fixed 7.250%	Quarterly	Quarterly	Jun 2023	(1,377)	2,232	855
Centrally cleared	900,000	USD	Fixed 1.306%	USD LIBOR BBA	Semi-Annual	Quarterly	Aug 2023	—	5,595	5,595
Centrally cleared	60,000,000	JPY	Fixed 0.000%	JPY LIBOR BBA	Semi-Annual	Semi-Annual	Jun 2024	(906)	(376)	(1,282)
Centrally cleared	350,000	USD	Fixed 1.298%	USD LIBOR BBA	Semi-Annual	Quarterly	Aug 2024	—	2,496	2,496
Centrally cleared	700,000	USD	Fixed 1.249%	USD LIBOR BBA	Semi-Annual	Quarterly	Aug 2024	—	5,900	5,900
Centrally cleared	250,000	USD	Fixed 1.360%	USD LIBOR BBA	Semi-Annual	Quarterly	Sep 2024	—	1,405	1,405
Centrally cleared	200,000	USD	USD LIBOR BBA	Fixed 1.600%	Semi-Annual	Quarterly	Dec 2024	—	—	—
Centrally cleared	2,050,000	EUR	EUR EURIBOR Reuters	Fixed 0.000%	Annual	Semi-Annual	Dec 2024	13,307	11,820	25,127
Centrally cleared	1,200,000	GBP	GBP LIBOR BBA	Fixed 1.000%	Semi-Annual	Semi-Annual	Dec 2024	4,853	8,196	13,049
Centrally cleared	500,000	USD	Fixed 2.500%	USD LIBOR BBA	Semi-Annual	Quarterly	Dec 2024	(27,336)	5,393	(21,943)
Centrally cleared	300,000	USD	USD LIBOR BBA	Fixed 1.500%	Semi-Annual	Quarterly	Dec 2024	(1,137)	(139)	(1,276)
Centrally cleared	400,000	EUR	EUR EURIBOR Reuters	Fixed -0.500%	Annual	Semi-Annual	Mar 2025	(3,790)	(2,896)	(6,686)
Centrally cleared	600,000	USD	Fixed 2.710%	USD Federal Funds Rate Compounded OIS	Annual	Annual	Apr 2025	—	(45,079)	(45,079)
Centrally cleared	600,000	USD	Fixed 2.684%	USD Federal Funds Rate Compounded OIS	Annual	Annual	Apr 2025	(15)	(44,150)	(44,165)
Centrally cleared	1,200,000	USD	Fixed 3.000%	USD LIBOR BBA	Semi-Annual	Quarterly	Jun 2026	(32,082)	(82,746)	(114,828)

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Global Bond Fund (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	1,400,000	CZK	CZK PRIBOR PRBO	Fixed 1.913%	Annual	Semi-Annual	Jan 2029	—	\$2,774	\$2,774
Centrally cleared	1,300,000	CAD	CAD BA CDOR	Fixed 2.500%	Semi-Annual	Semi-Annual	Jun 2029	\$(897)	43,491	42,594
Centrally cleared	300,000	EUR	EUR EURIBOR Reuters	Fixed 1.310%	Annual	Semi-Annual	Jun 2029	9,192	8,066	17,258

Centrally cleared	40,000,000	JPY	JPY LIBOR BBA	Fixed 0.200%	Semi-Annual	Semi-Annual	Jun 2029	5,811	(70)	5,741
Centrally cleared	100,000	USD	USD LIBOR BBA	Fixed 1.500%	Semi-Annual	Quarterly	Dec 2029	(1,961)	—	(1,961)
Centrally cleared	800,000	CAD	CAD BA CDOR	Fixed 1.900%	Semi-Annual	Semi-Annual	Dec 2029	12,948	(14,020)	(1,072)
Centrally cleared	1,000,000	USD	USD LIBOR BBA	Fixed 1.625%	Semi-Annual	Quarterly	Jan 2030	(19,096)	27,304	8,208
Centrally cleared	900,000	USD	USD LIBOR BBA	Fixed 2.000%	Semi-Annual	Quarterly	Jan 2030	(4,250)	(20,510)	(24,760)
Centrally cleared	1,800,000	EUR	EUR EURIBOR Reuters	Fixed -0.150%	Annual	Semi-Annual	Mar 2030	(36,076)	(11,986)	(48,062)
Centrally cleared	400,000	GBP	Fixed 0.750%	GBP LIBOR BBA	Semi-Annual	Semi-Annual	Mar 2030	1,817	6,553	8,370
Centrally cleared	20,000,000	JPY	Fixed 0.400%	JPY LIBOR BBA	Semi-Annual	Semi-Annual	Jun 2039	350	(5,584)	(5,234)
Centrally cleared	100,000	USD	USD LIBOR BBA	Fixed 1.854%	Semi-Annual	Quarterly	May 2045	—	(633)	(633)
Centrally cleared	200,000	USD	USD LIBOR BBA	Fixed 1.855%	Semi-Annual	Quarterly	May 2045	—	(1,215)	(1,215)
Centrally cleared	800,000	CAD	CAD BA CDOR	Fixed 2.750%	Semi-Annual	Semi-Annual	Dec 2048	(13,192)	115,028	101,836
Centrally cleared	100,000	USD	USD LIBOR BBA	Fixed 1.750%	Semi-Annual	Quarterly	Dec 2049	(2,380)	(888)	(3,268)
Centrally cleared	100,000	EUR	EUR EURIBOR Reuters	Fixed 1.000%	Annual	Semi-Annual	Dec 2049	(15,716)	(1,500)	(17,216)
Centrally cleared	600,000	USD	USD LIBOR BBA	Fixed 1.750%	Semi-Annual	Quarterly	Dec 2049	(9,990)	(7,934)	(17,924)
Centrally cleared	100,000	GBP	GBP LIBOR BBA	Fixed 0.750%	Semi-Annual	Semi-Annual	Mar 2050	(2,189)	(6,778)	(8,967)
Centrally cleared	200,000	USD	USD LIBOR BBA	Fixed 2.000%	Semi-Annual	Quarterly	Mar 2050	(849)	(4,481)	(5,330)
								<b>\$(87,093)</b>	<b>\$44,947</b>	<b>\$(42,146)</b>
								<b>\$(87,008)</b>	<b>\$96,623</b>	<b>\$9,615</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 Japan	900,000	USD	\$900,000	1.000%	Quarterly	Jun 2022	\$(16,247)	\$(6,234)	\$(22,481)
BARC	People's Republic of China	400,000	USD	400,000	1.000%	Quarterly	Jun 2023	(5,440)	(6,104)	(11,544)
BNP	Republic of Korea	700,000	USD	700,000	1.000%	Quarterly	Jun 2023	(12,333)	(8,995)	(21,328)
BOA	Government of Japan	100,000	USD	100,000	1.000%	Quarterly	Jun 2022	(1,787)	(711)	(2,498)
GSI	People's Republic of China	900,000	USD	900,000	1.000%	Quarterly	Jun 2023	(12,390)	(13,584)	(25,974)
				<b>\$3,000,000</b>				<b>\$(48,197)</b>	<b>\$(35,628)</b>	<b>\$(83,825)</b>
Centrally cleared	Fortum OYJ	100,000	EUR	106,255	1.000%	Quarterly	Dec 2020	(370)	(902)	(1,272)
Centrally cleared	Reynolds American, Inc.	200,000	USD	200,000	1.000%	Quarterly	Dec 2020	(1,540)	(820)	(2,360)
Centrally cleared	United Utilities PLC	200,000	EUR	216,950	1.000%	Quarterly	Dec 2020	(816)	(1,773)	(2,589)
Centrally cleared	CDX.NA.IG.32	100,000	USD	100,000	1.000%	Quarterly	Jun 2029	(56)	(685)	(741)

	iTraxx Europe Series 31 Version										
Centrally cleared	2	600,000	EUR	660,950	1.000%	Quarterly	Jun 2029	(4,149)	(5,033)	(9,182)	
Centrally cleared	CDX.NA.IG.33	2,800,000	USD	2,800,000	1.000%	Quarterly	Dec 2029	5,222	(16,821)	(11,599)	
				<b>\$4,084,155</b>				<b>\$(1,709)</b>	<b>\$(26,034)</b>	<b>\$(27,743)</b>	
				<b>\$7,084,155</b>				<b>\$(49,906)</b>	<b>\$(61,662)</b>	<b>\$(111,568)</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	Republic of South Africa	1.739%	200,000	USD	\$200,000	1.000%	Quarterly	Jun 2024	\$(7,691)	\$1,754	\$(5,937)
JPM	A.P. Moller - Maersk A/S	0.721%	700,000	EUR	826,035	1.000%	Quarterly	Jun 2022	(2,081)	9,175	7,094
					<b>\$1,026,035</b>				<b>\$(9,772)</b>	<b>\$10,929</b>	<b>\$1,157</b>
Centrally cleared	Daimler AG	0.136%	100,000	EUR	122,630	1.000%	Quarterly	Dec 2020	694	550	1,244
Centrally cleared	Ryder System, Inc.	0.337%	200,000	USD	200,000	1.000%	Quarterly	Jun 2022	1,936	1,808	3,744
Centrally cleared	iTraxx Europe Crossover Series 32 Version 1	2.208%	100,000	EUR	110,190	5.000%	Quarterly	Dec 2024	14,526	1,075	15,601
Centrally cleared	Tesco PLC	1.066%	100,000	EUR	122,330	1.000%	Quarterly	Jun 2025	(2,618)	2,435	(183)

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Global Bond Fund (continued)

##### Credit default swaps - Seller (continued)

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Royal Dutch Shell PLC	0.367%	100,000	EUR	\$105,535	1.000%	Quarterly	Dec 2026	\$(1,998)	\$7,186	\$5,188
					<b>\$660,685</b>				<b>\$12,540</b>	<b>\$13,054</b>	<b>\$25,594</b>
					<b>\$1,686,720</b>				<b>\$2,768</b>	<b>\$23,983</b>	<b>\$26,751</b>

#### Total return swaps

Pay/ receive total return*	Reference entity	Floating/ fixed rate	Payment frequency	Currency	Notional amount/ contract amount	Maturity date	Counterparty (OTC)	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
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Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	Quarterly	USD	400,000	Mar 2020	BARC	—	\$(27,983)	\$(27,983)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	Quarterly	USD	100,000	Dec 2019	GSI	—	(584)	(584)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	Quarterly	USD	100,000	Mar 2020	GSI	—	(441)	(441)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	Quarterly	USD	100,000	Mar 2020	GSI	—	(409)	(409)
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	Quarterly	USD	100,000	Mar 2020	GSI	—	(505)	(505)
								—	<b>\$(29,922)</b>	<b>\$(29,922)</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.

### Currency swaps

Counterparty (OTC)	Receive	Pay	Payment frequency	Maturity date		Notional amount of currency received	Notional amount of currency delivered	Unamortized upfront payment paid	Unrealized appreciation (depreciation)	Value
CITI	Floating rate equal to 3 Month BBSW plus 0.420% based on the notional amount of the currency received	Floating rate equal to 3 Month USD LIBOR based on the notional amount of the currency delivered	Quarterly	Jul 2029	AUD	300,000	USD 207,000	\$45	\$(3,517)	\$(3,472)
CITI	Floating rate equal to 3 Month EURIBOR less 0.172% based on the notional amount of the currency received	Floating rate equal to 3 Month USD LIBOR based on the notional amount of the currency delivered	Semi-Annual	Jan 2030	EUR	200,000	USD 224,000	(1,000)	(2,926)	(3,926)
GSCM	Floating rate equal to 3 Month BBSW plus 0.423% based on the notional amount of the currency received	Floating rate equal to 3 Month USD LIBOR based on the notional amount of the currency delivered	Quarterly	Aug 2029	AUD	400,000	USD 276,000	(1,720)	(2,877)	(4,597)
GSCM	Floating rate equal to 3 Month EURIBOR less 0.181% based on the notional amount of the currency received	Floating rate equal to 3 Month USD LIBOR based on the notional amount of the currency delivered	Semi-Annual	Feb 2030	EUR	200,000	USD 220,000	160	(295)	(135)

	Floating rate equal to 3 Month EURIBOR less 0.183% based on the notional amount of the currency received	Floating rate equal to 3 Month USD LIBOR based on the notional amount of the currency delivered	Semi-Annual	Dec 2029	EUR	100,000	USD	110,000	395	(481)	(86)
MSI									<b>\$(2,120)</b>	<b>\$(10,096)</b>	<b>\$(12,216)</b>

Derivatives Currency Abbreviations

AUD Australian Dollar

# John Hancock Funds II

**Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)**

## Global Bond Fund (continued)

BRL	Brazilian Real
CAD	Canadian Dollar
CHF	Swiss Franc
CLP	Chilean Peso
CNY	Chinese Yuan Renminbi
COP	Colombian Peso
CZK	Czech Republic Koruna
DKK	Danish Krone
EUR	Euro
GBP	Pound Sterling
HKD	Hong Kong Dollar
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
INR	Indian Rupee
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
MYR	Malaysian Ringgit
NOK	Norwegian Krone
NZD	New Zealand Dollar
PEN	Peruvian Nuevo Sol
PLN	Polish Zloty
RON	Romanian New Leu
RUB	Russian Ruble
SEK	Swedish Krona
SGD	Singapore Dollar
THB	Thai Bhat
TWD	New Taiwan Dollar
USD	U.S. Dollar
ZAR	South African Rand

Derivatives Abbreviations

BARC	Barclays Bank PLC
BBA	The British Banker's Association
BBSW	Bank Bill Swap Rate
BNP	BNP Paribas

BOA	Bank of America, N.A.
CDI	Brazil Interbank Deposit Rate
CDOR	Canadian Dollar Offered Rate
CITI	Citibank, N.A.
CNREPOFIX	China Fixing Repo Rate
CPURNSA	Consumer Price All Urban Non-Seasonally Adjusted Index
CSFB	Credit Suisse First Boston International
DB	Deutsche Bank AG
EURIBOR	Euro Interbank Offered Rate
GSCM	Goldman Sachs Capital Markets, L.P.
GSI	Goldman Sachs International
HUS	HSBC Bank USA, N.A.
JIBAR	Johannesburg Interbank Agreed Rate
JPM	JPMorgan Chase Bank, N.A.
KSDA	Korea Securities Dealers Association
LIBOR	London Interbank Offered Rate
MLI	Merrill Lynch International
MSCS	Morgan Stanley Capital Services LLC
MSI	Morgan Stanley & Co. International PLC
NOM	Nomura Global Financial Products, Inc.
NWM	NatWest Markets PLC
OIS	Overnight Index Swap
OTC	Over-the-counter
PRIBOR	Prague Interbank Offered Rate
RBC	Royal Bank of Canada
SCB	Standard Chartered Bank
TELBOR	Tel Aviv Interbank Offered Rate
TIIE	Tasa de Interes Interbancario de Equilibrio (Interbank Equilibrium Interest Rate)
UBS	UBS AG

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Health Sciences Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS – 98.7%</b>		
<b>Consumer discretionary – 0.1%</b>		
<b>Consumer services – 0.0%</b>		
Zeneca, Inc. (A)(B)	33,315	\$ 20,489
<b>Specialty retail – 0.1%</b>		
JAND, Inc., Class A (A)(B)(C)	16,938	275,412
		295,901
<b>Health care – 98.2%</b>		
<b>Biotechnology – 35.2%</b>		
AbbVie, Inc.	57,855	5,075,619
Abcam PLC	27,005	466,446

### Health Sciences Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Biotechnology (continued)</b>		
Minerva Neurosciences, Inc. (B)	16,115	\$ 100,719
Mirati Therapeutics, Inc. (B)	7,500	755,775
Moderna, Inc. (B)	2,039	41,514
Momenta Pharmaceuticals, Inc. (B)	16,992	285,466
Myovant Sciences, Ltd. (B)	172	3,063
Natera, Inc. (B)	6,000	218,940
Neurocrine Biosciences, Inc. (B)	33,444	3,899,905
Orchard Therapeutics PLC (B)	26,142	297,757
PhaseBio Pharmaceuticals, Inc. (B)	14,617	47,651
Principia Biopharma, Inc. (B)	8,294	297,174
Progenics Pharmaceuticals, Inc. (B)	44,310	231,298
PTC Therapeutics, Inc. (B)	21,314	1,000,905
Puma Biotechnology, Inc. (B)	10,600	100,594

ACADIA Pharmaceuticals, Inc. (B)	80,623	3,651,416	Radius Health, Inc. (B)	14,535	325,584
Accelaron Pharma, Inc. (B)	18,641	912,663	RAPT Therapeutics, Inc. (B)	4,694	121,622
Acerta Pharma BV, Class B (A)(B)(C)	4,892,850	451,610	Regeneron Pharmaceuticals, Inc. (B)	10,839	3,999,591
Adverum Biotechnologies, Inc. (B)	19,600	213,836	REGENXBIO, Inc. (B)	8,507	356,103
Agios Pharmaceuticals, Inc. (B)	10,898	423,932	Rhythm Pharmaceuticals, Inc. (B)	8,024	180,139
Aimmune Therapeutics, Inc. (B)	29,297	817,972	Rocket Pharmaceuticals, Inc. (B)	13,737	241,634
Akero Therapeutics, Inc. (B)	4,748	93,488	Sage Therapeutics, Inc. (B)	30,301	4,689,686
Alexion Pharmaceuticals, Inc. (B)	34,988	3,986,533	Sarepta Therapeutics, Inc. (B)	19,778	2,224,827
Alkermes PLC (B)	18,850	396,227	Scholar Rock Holding Corp. (B)	5,074	43,180
Allakos, Inc. (B)	4,659	442,605	Seattle Genetics, Inc. (B)	31,699	3,814,975
Allogene Therapeutics, Inc. (B)	7,330	206,559	Stoke Therapeutics, Inc. (B)	7,548	184,926
Alnylam Pharmaceuticals, Inc. (B)	22,231	2,604,139	Translate Bio, Inc. (B)	3,100	31,155
Amarin Corp. PLC, ADR (B)	77,324	1,644,681	Turning Point Therapeutics, Inc. (B)	6,029	338,950
Amgen, Inc.	29,898	7,017,659	Ultragenyx Pharmaceutical, Inc. (B)	18,529	734,675
Apellis Pharmaceuticals, Inc. (B)	8,763	235,549	Vertex Pharmaceuticals, Inc. (B)	56,807	12,596,952
Ardelyx, Inc. (B)	9,700	72,071	Xencor, Inc. (B)	23,075	909,155
Argenx SE, ADR (B)	17,597	2,605,236	Zai Lab, Ltd., ADR (B)	3,808	151,558
Ascendis Pharma A/S, ADR (B)	26,152	3,012,187	Zealand Pharma A/S, ADR (B)	3,849	118,357
Audentes Therapeutics, Inc. (B)	2,382	69,149	Zymeworks, Inc. (B)	11,007	479,795
Autolus Therapeutics PLC (B)	6,368	95,520			99,630,274
Avrobio, Inc. (B)	5,741	92,086	<b>Health care equipment and supplies – 24.6%</b>		
BeiGene, Ltd., ADR (B)	5,687	1,156,110	ABIOMED, Inc. (B)	5,162	1,012,681
Biogen, Inc. (B)	10,847	3,252,039	Alcon, Inc. (B)	37,690	2,081,937
BioMarin Pharmaceutical, Inc. (B)	24,906	2,010,163	AtriCure, Inc. (B)	13,600	404,600
Bluebird Bio, Inc. (B)	12,286	994,429	Becton, Dickinson and Company	46,635	12,055,148
Blueprint Medicines Corp. (B)	15,442	1,266,862	Boston Scientific Corp. (B)	10,400	449,800
			Danaher Corp.	42,858	6,256,411
			DexCom, Inc. (B)	12,522	2,846,376
			DiaSorin SpA	6,821	911,271
			Envista Holdings Corp. (B)	46,248	1,300,494
			GenMark Diagnostics, Inc. (B)	38,687	215,873
			Hologic, Inc. (B)	66,202	3,397,487
			ICU Medical, Inc. (B)	5,278	989,519
			Insulet Corp. (B)	7,800	1,448,460
			Intuitive Surgical, Inc. (B)	24,141	14,313,199
			iRhythm Technologies, Inc. (B)	6,851	493,889
			Lantheus Holdings, Inc. (B)	22,466	469,539
			Nevro Corp. (B)	14,681	1,641,042
			Novocure, Ltd. (B)	11,000	1,013,980
			NuVasive, Inc. (B)	2,600	187,824
			Penumbra, Inc. (B)	7,894	1,396,606
			Quidel Corp. (B)	19,147	1,313,867
			Shockwave Medical, Inc. (B)	3,987	156,131
			SI-BONE, Inc. (B)	5,497	97,792
			Silk Road Medical, Inc. (B)	2,546	91,707
			SmileDirectClub, Inc. (B)	6,112	60,937
			Stryker Corp.	36,192	7,414,293
			Tandem Diabetes Care, Inc. (B)	4,400	303,732
			Teleflex, Inc.	7,167	2,532,388
			The Cooper Companies, Inc.	6,309	1,975,285
			West Pharmaceutical Services, Inc.	12,001	1,764,507

Constellation Pharmaceuticals, Inc. (B)	3,888	181,025
Cortexyme, Inc. (B)	852	24,066
CRISPR Therapeutics AG (B)	6,672	478,049
Deciphera Pharmaceuticals, Inc. (B)	7,550	357,040
Denali Therapeutics, Inc. (B)	9,100	161,889
Dicerna Pharmaceuticals, Inc. (B)	26,312	633,067
Enanta Pharmaceuticals, Inc. (B)	11,452	729,034
Epizyme, Inc. (B)	7,900	130,508
Exact Sciences Corp. (B)	21,849	1,769,987
Exelixis, Inc. (B)	41,811	695,317
Fate Therapeutics, Inc. (B)	14,357	224,256
FibroGen, Inc. (B)	15,142	641,567
G1 Therapeutics, Inc. (B)	9,197	198,655
Galapagos NV (B)	5,353	1,051,229
Genmab A/S, ADR (B)	3,095	72,454
Global Blood Therapeutics, Inc. (B)	21,805	1,450,033
Homology Medicines, Inc. (B)	18,713	299,408
IGM Biosciences, Inc. (B)	8,394	189,788
Immunomedics, Inc. (B)	28,680	538,610
Incyte Corp. (B)	29,173	2,746,930
Insmed, Inc. (B)	19,886	458,372
Intercept Pharmaceuticals, Inc. (B)	5,536	599,936
Ionis Pharmaceuticals, Inc. (B)	14,448	924,094
Iovance Biotherapeutics, Inc. (B)	54,017	1,233,208
Kadmon Holdings, Inc. (B)	28,036	123,919
Karuna Therapeutics, Inc. (B)	9,123	655,761
Karyopharm Therapeutics, Inc. (B)	1,600	28,116

Kodiak Sciences, Inc. (B)	16,972	502,371
Krystal Biotech, Inc. (B)	7,807	441,174

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Health Sciences Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Health care equipment and supplies (continued)</b>		
Zimmer Biomet Holdings, Inc.	6,874	\$ 998,655
		69,595,430
<b>Health care providers and services – 15.4%</b>		
Acadia Healthcare Company, Inc. (B)	11,417	367,171
Amedisys, Inc. (B)	5,261	857,333
Anthem, Inc.	12,105	3,494,229
Centene Corp. (B)	88,425	5,347,060
Cigna Corp.	27,333	5,464,413
Exagen, Inc. (B)	9,452	168,624
Guardant Health, Inc. (B)	5,772	448,311
HCA Healthcare, Inc.	38,438	5,329,813
Humana, Inc.	13,101	4,470,454
Molina Healthcare, Inc. (B)	13,762	1,864,751
The Pennant Group, Inc. (B)	12,675	296,849
UnitedHealth Group, Inc.	52,103	14,582,070
WellCare Health Plans, Inc. (B)	2,345	755,254
		43,446,332
<b>Health care technology – 0.3%</b>		
HTG Molecular Diagnostics, Inc. (B)	30,915	20,404
Phreesia, Inc. (B)	7,652	215,174
Veeva Systems, Inc., Class A (B)	3,600	537,048
		772,626
<b>Life sciences tools and services – 8.6%</b>		
10X Genomics, Inc., Class A (B)	4,649	301,674
Adaptive Biotechnologies Corp. (B)	8,019	218,037
Agilent Technologies, Inc.	57,662	4,657,360
Avantor, Inc. (B)	93,631	1,603,899
Bruker Corp.	32,263	1,651,543
Evotec SE (B)	11,924	263,953
Illumina, Inc. (B)	4,163	1,335,324
Lonza Group AG (B)	2,016	684,853
Mettler-Toledo International, Inc. (B)	1,331	957,535
PRA Health Sciences, Inc. (B)	8,508	925,755
Quanterix Corp. (B)	18,329	464,274
Thermo Fisher Scientific, Inc.	34,358	10,786,694

## Health Sciences Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Pharmaceuticals (continued)</b>		
Roche Holding AG	12,114	\$ 3,734,659
Supernus Pharmaceuticals, Inc. (B)	651	15,220
Tricida, Inc. (B)	29,642	1,184,494
WaVe Life Sciences, Ltd. (B)	4,728	156,733
Zogenix, Inc. (B)	5,900	281,902
		39,878,043
		277,552,148
<b>Industrials – 0.4%</b>		
<b>Industrial conglomerates – 0.4%</b>		
General Electric Company	109,500	1,234,065
<b>TOTAL COMMON STOCKS (Cost \$210,087,659)</b>		<b>\$ 279,082,114</b>
<b>PREFERRED SECURITIES – 1.2%</b>		
<b>Consumer discretionary – 0.2%</b>		
<b>Specialty retail – 0.2%</b>		
JAND, Inc., Series D (A)(B)(C)	37,822	614,986
<b>Health care – 0.7%</b>		
<b>Health care equipment and supplies – 0.7%</b>		
Becton, Dickinson and Company, 6.125%	10,563	657,652
Sartorius AG	5,508	1,159,641
		1,817,293
<b>Information technology – 0.3%</b>		
<b>Software – 0.3%</b>		
Doximity, Inc. (A)(B)(C)	63,738	852,177
<b>TOTAL PREFERRED SECURITIES (Cost \$2,157,118)</b>		<b>\$ 3,284,456</b>
<b>RIGHTS – 0.0%</b>		
Bristol-Myers Squibb Company (Expiration Date: 3-31-21) (B)(E)	42,854	92,136
<b>TOTAL RIGHTS (Cost \$89,261)</b>		<b>\$ 92,136</b>
<b>SHORT-TERM INVESTMENTS – 0.4%</b>		
<b>Short-term funds – 0.4%</b>		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (F)	1,068,907	1,068,907

Wuxi Biologics Cayman, Inc. (B)(D)	33,500	378,542	T. Rowe Price Government Reserve Fund, 1.6309% (F)	100	100
		24,229,443			
<b>Pharmaceuticals – 14.1%</b>			<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$1,069,007)</b>		<b>\$ 1,069,007</b>
Allergan PLC	10,530	1,947,418	<b>Total Investments (Health Sciences Fund) (Cost \$213,403,045) – 100.3%</b>		<b>\$ 283,527,713</b>
Astellas Pharma, Inc.	65,800	1,123,388	<b>Other assets and liabilities, net – (0.3%)</b>		<b>(795,993)</b>
AstraZeneca PLC, ADR	87,218	4,228,329	<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 282,731,720</b>
Axsome Therapeutics, Inc. (B)	11,600	456,692			
Bayer AG	14,655	1,106,812			
Bristol-Myers Squibb Company	55,502	3,160,284			
Cara Therapeutics, Inc. (B)	27,659	718,581			
Catalent, Inc. (B)	14,923	775,847			
Celgene Corp. (A)	25,552	56,214			
Chugai Pharmaceutical Company, Ltd.	21,600	1,886,909			
Daiichi Sankyo Company, Ltd.	37,900	2,378,063			
Eisai Company, Ltd.	7,100	526,415			
Elanco Animal Health, Inc. (B)	26,119	723,757			
Eli Lilly & Company	27,467	3,223,252			
GW Pharmaceuticals PLC, ADR (B)	6,991	713,851			
Ipsen SA	3,357	379,157			
Menlo Therapeutics, Inc. (B)	9,500	37,620			
Merck & Company, Inc.	63,291	5,517,709			
Milestone Pharmaceuticals, Inc. (B)	12,582	213,265			
MyoKardia, Inc. (B)	15,282	995,622			
Nektar Therapeutics (B)	9,100	184,639			
Novartis AG	20,541	1,893,590			
Odonate Therapeutics, Inc. (B)	9,501	326,644			
Otsuka Holdings Company, Ltd.	3,300	144,040			
Perrigo Company PLC	273	13,986			
Reata Pharmaceuticals, Inc., Class A (B)	9,086	1,772,951			

#### Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
(B)	Non-income producing security.
(C)	Direct placement securities are restricted as to resale, and the fund has limited rights to registration under the Securities Act of 1933. For more information on this security refer to the Notes to Portfolio of Investments.
(D)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(E)	Strike price and/or expiration date not available.
(F)	The rate shown is the annualized seven-day yield as of 11-30-19.

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### High Yield Fund

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.8%</b>		
<b>Argentina – 0.4%</b>		
Provincia de Buenos Aires		
7.875%, 06/15/2027	\$ 870,000	\$ 308,000
Republic of Argentina		
5.625%, 01/26/2022	470,000	208,000
6.875%, 01/26/2027	430,000	174,000
7.500%, 04/22/2026	330,000	142,000
		828,000
<b>Brazil – 0.4%</b>		

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Sirius XM Radio, Inc. 4.625%, 07/15/2024 (A)	\$ 290,000	\$ 303,775
Sprint Capital Corp. 8.750%, 03/15/2032	2,150,000	2,563,875
Sprint Communications, Inc. 11.500%, 11/15/2021	1,591,000	1,837,605
Sprint Corp. 7.250%, 09/15/2021	1,000,000	1,060,500
7.625%, 02/15/2025	40,000	43,812
7.875%, 09/15/2023	2,410,000	2,649,494

Federative Republic of Brazil					Telecom Italia SpA		
10.000%, 01/01/2021	BRL	239,000	6		5.303%, 05/30/2024 (A)	1,000,000	1,075,270
10.000%, 01/01/2023		2,861,000	77		Time Warner Cable LLC		
10.000%, 01/01/2027		206,000	5		7.300%, 07/01/2038	680,000	872,003
					T-Mobile USA, Inc.		
					4.750%, 02/01/2028	1,170,000	1,224,113
					6.000%, 04/15/2024	250,000	258,646
					6.500%, 01/15/2026	170,000	181,900
<b>Indonesia – 0.0%</b>					UPC Holding BV		
Republic of Indonesia					5.500%, 01/15/2028 (A)	570,000	575,700
8.375%, 03/15/2034	IDR	543,000,000	4		UPCB Finance IV, Ltd.		
					5.375%, 01/15/2025 (A)	390,000	400,725
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b>					Virgin Media Finance PLC		
(Cost \$3,181,021)					5.750%, 01/15/2025 (A)	650,000	669,500
					Virgin Media Secured Finance PLC		
					5.500%, 08/15/2026 to 05/15/2029 (A)	2,090,000	2,196,259
							44,613,523
<b>CORPORATE BONDS – 82.4%</b>					<b>Consumer discretionary – 12.2%</b>		
<b>Communication services – 18.8%</b>					American Axle & Manufacturing, Inc.		
Altice France SA					6.250%, 04/01/2025	160,000	162,600
7.375%, 05/01/2026 (A)	\$	4,060,000	4,33		6.500%, 04/01/2027	670,000	673,350
Altice Luxembourg SA					Boyne USA, Inc.		
10.500%, 05/15/2027 (A)		690,000	78		7.250%, 05/01/2025 (A)	630,000	683,550
American Media LLC					Brinker International, Inc.		
10.500%, 12/31/2026 (A)		1,480,000	1,60		5.000%, 10/01/2024 (A)	420,000	443,100
CCO Holdings LLC					Carriage Services, Inc.		
5.125%, 05/01/2023 to 05/01/2027 (A)		3,000,000	3,11		6.625%, 06/01/2026 (A)	730,000	764,675
5.750%, 02/15/2026 (A)		215,000	22		Century Communities, Inc.		
CenturyLink, Inc.					5.875%, 07/15/2025	1,390,000	1,431,992
5.625%, 04/01/2025		290,000	30		Delphi Technologies PLC		
Charter Communications Operating LLC					5.000%, 10/01/2025 (A)	510,000	446,250
4.908%, 07/23/2025		820,000	89		ESH Hospitality, Inc.		
6.484%, 10/23/2045		250,000	30		4.625%, 10/01/2027 (A)	420,000	422,100
Cogent Communications Group, Inc.					5.250%, 05/01/2025 (A)	500,000	516,250
5.375%, 03/01/2022 (A)		1,530,000	1,59		Fontainebleau Las Vegas Holdings LLC		
CSC Holdings LLC					11.000%, 06/15/2015 (A)(C)	2,983,778	298
6.500%, 02/01/2029 (A)		1,620,000	1,80		frontdoor, Inc.		
10.875%, 10/15/2025 (A)		638,000	71		6.750%, 08/15/2026 (A)	1,000,000	1,092,400
DISH DBS Corp.					Golden Nugget, Inc.		
5.875%, 11/15/2024		540,000	53		8.750%, 10/01/2025 (A)	660,000	699,600
7.750%, 07/01/2026 (B)		4,240,000	4,39		Hanesbrands, Inc.		
Entercom Media Corp.					4.625%, 05/15/2024 (A)	570,000	599,925
6.500%, 05/01/2027 (A)		570,000	60		4.875%, 05/15/2026 (A)	550,000	585,085
iHeartCommunications, Inc.					Hilton Worldwide Finance LLC		
4.750%, 01/15/2028 (A)		280,000	28		4.625%, 04/01/2025	240,000	246,600
Intelsat Jackson Holdings SA					Installed Building Products, Inc.		
5.500%, 08/01/2023		950,000	75		5.750%, 02/01/2028 (A)	500,000	524,375
					International Game Technology PLC		
					6.250%, 01/15/2027 (A)	200,000	224,500
					6.500%, 02/15/2025 (A)	290,000	324,075
					L Brands, Inc.		
					5.250%, 02/01/2028	1,560,000	1,446,900
					Lennar Corp.		
					4.750%, 11/29/2027	970,000	1,045,175
					5.875%, 11/15/2024	640,000	713,600

8.000%, 02/15/ 2024 (A)	830,000	840
Level 3 Financing, Inc.		
5.250%, 03/15/2026	580,000	600
5.625%, 02/01/2023	290,000	290
Lions Gate Capital Holdings LLC		
5.875%, 11/01/ 2024 (A)	1,000,000	960
Match Group, Inc.		
5.000%, 12/15/ 2027 (A)	360,000	360
6.375%, 06/01/2024	440,000	460
Meredith Corp.		
6.875%, 02/01/2026	340,000	340
Netflix, Inc.		
4.875%, 06/15/ 2030 (A)	500,000	500
5.375%, 11/15/ 2029 (A)	770,000	810
5.875%, 02/15/2025	320,000	350
6.375%, 05/15/2029	790,000	880

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Levi Strauss & Company 5.000%, 05/01/2025	\$ 860,000	\$ 885,800
Marston's Issuer PLC (3 month GBP LIBOR + 2.550%) 3.335%, 07/15/ 2035 (D)	GBP 380,000	406,197
Melco Resorts Finance, Ltd. 5.375%, 12/04/2029 (A)	\$ 640,000	653,138
MGM China Holdings, Ltd. 5.375%, 05/15/2024 (A)	210,000	219,708
5.875%, 05/15/2026 (A)	530,000	563,125
MGM Growth Properties Operating Partnership LP 4.500%, 09/01/2026	510,000	536,775
New Red Finance, Inc. 3.875%, 01/15/2028 (A)	640,000	644,000
Party City Holdings, Inc. 6.625%, 08/01/2026 (A)	670,000	402,000
Sands China, Ltd. 5.400%, 08/08/2028	200,000	227,262
Scientific Games International, Inc.		

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples (continued)</b>		
Spectrum Brands, Inc. (continued) 6.125%, 12/15/2024	\$ 520,000	\$ 536,900
		5,421,542
<b>Energy – 9.6%</b>		
Blue Racer Midstream LLC 6.125%, 11/15/2022 (A)	920,000	830,024
6.625%, 07/15/2026 (A)	1,190,000	1,029,350
Carrizo Oil & Gas, Inc. 8.250%, 07/15/2025	510,000	499,800
Chesapeake Energy Corp. 5.375%, 06/15/2021	100,000	81,000
8.000%, 06/15/2027	820,000	391,550
Covey Park Energy LLC 7.500%, 05/15/2025 (A)	880,000	682,000
DCP Midstream Operating LP 6.750%, 09/15/2037 (A)	700,000	721,000
Endeavor Energy Resources LP 5.500%, 01/30/2026 (A)	270,000	276,075
Extraction Oil & Gas, Inc.		

5.000%, 10/15/2025 (A)	460,000	480,484	5.625%, 02/01/2026 (A)	1,600,000	736,000
7.000%, 05/15/2028 (A)	860,000	896,550	7.375%, 05/15/2024 (A)	1,030,000	466,075
10.000%, 12/01/2022	807,000	828,386	Genesis Energy LP		
Service Corp. International			5.625%, 06/15/2024	700,000	631,750
4.625%, 12/15/2027	680,000	705,500	MEG Energy Corp.		
5.125%, 06/01/2029	500,000	533,750	6.375%, 01/30/2023 (A)	470,000	460,600
5.375%, 05/15/2024	240,000	247,200	7.000%, 03/31/2024 (A)	1,371,000	1,344,437
Silversea Cruise Finance, Ltd.			Montage Resources Corp.		
7.250%, 02/01/2025 (A)	632,000	670,552	8.875%, 07/15/2023	390,000	317,850
Speedway Motorsports LLC			Murphy Oil USA, Inc.		
4.875%, 11/01/2027 (A)	830,000	825,850	5.625%, 05/01/2027	240,000	258,750
Sugarhouse HSP Gaming Prop Mezz LP			NGPL PipeCo LLC		
5.875%, 05/15/2025 (A)	380,000	377,150	4.375%, 08/15/2022 (A)	460,000	476,340
The ServiceMaster Company LLC			4.875%, 08/15/2027 (A)	300,000	317,928
5.125%, 11/15/2024 (A)	630,000	652,838	Northern Oil and Gas, Inc. (8.500% Cash and 1.000% PIK) 9.500%, 05/15/2023 (B)	1,424,190	1,459,795
The William Carter Company			Oasis Petroleum, Inc.		
5.625%, 03/15/2027 (A)	390,000	420,225	6.875%, 03/15/2022	570,000	532,594
TopBuild Corp.			6.875%, 01/15/2023 (B)	351,000	322,043
5.625%, 05/01/2026 (A)	1,040,000	1,084,200	Petrobras Global Finance BV		
Viking Cruises, Ltd.			5.750%, 02/01/2029	40,000	43,952
5.875%, 09/15/2027 (A)	1,090,000	1,166,300	6.850%, 06/05/2115	580,000	644,612
VOC Escrow, Ltd.			Precision Drilling Corp.		
5.000%, 02/15/2028 (A)	520,000	545,568	7.125%, 01/15/2026 (A)	870,000	760,645
William Lyon Homes, Inc.			Range Resources Corp.		
5.875%, 01/31/2025	320,000	328,800	5.000%, 03/15/2023	450,000	390,938
6.000%, 09/01/2023	890,000	927,825	Rockies Express Pipeline LLC		
WW International, Inc.			6.875%, 04/15/2040 (A)	830,000	861,623
8.625%, 12/01/2025 (A)(B)	660,000	688,050	7.500%, 07/15/2038 (A)	710,000	741,950
		28,963,633	Shelf Drilling Holdings, Ltd.		
<b>Consumer staples – 2.3%</b>			8.250%, 02/15/2025 (A)	1,000,000	848,450
Altria Group, Inc.			Targa Resources Partners LP		
5.950%, 02/14/2049	410,000	493,951	4.250%, 11/15/2023	710,000	716,213
Cott Holdings, Inc.			5.375%, 02/01/2027	290,000	295,075
5.500%, 04/01/2025 (A)	680,000	712,300	5.875%, 04/15/2026	420,000	441,924
Lamb Weston Holdings, Inc.			6.875%, 01/15/2029 (A)	210,000	226,800
4.875%, 11/01/2026 (A)	1,200,000	1,269,000	Teine Energy, Ltd.		
Pilgrim's Pride Corp.			6.875%, 09/30/2022 (A)	510,000	510,000
5.875%, 09/30/2027 (A)	230,000	248,400	The Williams Companies, Inc.		
Sally Holdings LLC			7.500%, 01/15/2031	650,000	833,912
5.625%, 12/01/2025	780,000	808,275	Transocean Guardian, Ltd.		
Simmons Foods, Inc.			5.875%, 01/15/2024 (A)	542,900	546,972
5.750%, 11/01/2024 (A)	680,000	657,900	Transocean Pontus, Ltd.		
Spectrum Brands, Inc.			6.125%, 08/01/2025 (A)	649,700	657,178
5.000%, 10/01/2029 (A)	250,000	255,000			
5.750%, 07/15/2025	420,000	439,816			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

High Yield Fund (continued)

High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Transocean, Inc.		
6.800%, 03/15/2038	\$ 410,000	\$ 252,900
Vesta Energy Corp.		
8.125%, 07/24/2023 (A)	CAD 920,000	650,434
Viper Energy Partners LP		
5.375%, 11/01/2027 (A)	\$ 260,000	270,390
WPX Energy, Inc.		
8.250%, 08/01/2023	1,040,000	1,167,712
		22,696,641
<b>Financials – 8.3%</b>		
Allied Universal Holdco LLC		
6.625%, 07/15/2026 (A)	1,110,000	1,173,825
Ally Financial, Inc.		
8.000%, 11/01/2031	480,000	661,800
ASP AMC Merger Sub, Inc.		
8.000%, 05/15/2025 (A)	1,300,000	858,000
Barclays PLC (5.088% to 6-20-29, then 3 month LIBOR + 3.054%) 06/ 20/2030	1,470,000	1,603,326
Barclays PLC (8.000% to 12-15-20, then 5 Year Euro Swap Rate + 6.750%) 12/15/2020 (E)	EUR 540,000	636,251
Barclays PLC (8.000% to 6-15-24, then 5 Year CMT + 5.672%) 06/15/ 2024 (E)	\$ 600,000	663,000
BNP Paribas SA (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%) 08/19/2025 (A)(E)	350,000	399,875
CIT Group, Inc.		
5.250%, 03/07/2025	170,000	187,000
Credit Agricole SA (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.185%) 12/23/2025 (A)(E)	600,000	724,617
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (A)(E)	840,000	898,800
Credit Suisse Group AG (7.500% to 7-17-23, then 5 Year U.S. Swap Rate + 4.600%) 07/17/2023 (A)(E)	210,000	228,711
DAE Funding LLC		
5.750%, 11/15/2023 (A)	1,530,000	1,610,325
Donnelley Financial Solutions, Inc.		
8.250%, 10/15/2024	680,000	691,050
Fidelity & Guaranty Life Holdings, Inc.		
5.500%, 05/01/2025 (A)	470,000	498,200
FirstCash, Inc.		
5.375%, 06/01/2024 (A)	710,000	735,738
HSBC Holdings PLC (6.375% to 3-30-25, then 5 Year U.S. ISDAFIX + 4.368%) 03/30/2025 (E)	200,000	215,250
HSBC Holdings PLC (6.375% to 9-17-24, then 5 Year U.S. ISDAFIX + 3.705%) 09/17/2024 (E)	680,000	723,350

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Quicken Loans, Inc. (continued)		
5.750%, 05/01/2025 (A)	\$ 180,000	\$ 186,953
Radian Group, Inc.		
4.875%, 03/15/2027	380,000	398,050
The Royal Bank of Scotland Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.598%) 08/ 15/2021 (E)	670,000	723,185
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (A)(E)	810,000	877,838
UniCredit SpA (7.296% to 4-2-29, then 5 Year U.S. ISDAFIX + 4.914%) 04/02/2034 (A)	690,000	793,717
		19,558,333
<b>Health care – 7.0%</b>		
Air Medical Group Holdings, Inc.		
6.375%, 05/15/2023 (A)	230,000	200,100
AMN Healthcare, Inc.		
4.625%, 10/01/2027 (A)	200,000	201,500
Aveanna Healthcare LLC		
9.750%, 12/15/2026 (A)	1,290,000	1,344,825
Bausch Health Americas, Inc.		
9.250%, 04/01/2026 (A)	561,000	642,182
Bausch Health Companies, Inc.		
5.500%, 11/01/2025 (A)	550,000	574,750
9.000%, 12/15/2025 (A)	2,139,000	2,411,723
Centene Corp.		
4.250%, 12/15/2027 (A)	350,000	360,063
4.625%, 12/15/2029 (A)	800,000	839,000
5.375%, 06/01/2026 (A)	970,000	1,029,413
6.125%, 02/15/2024	130,000	135,119
Community Health Systems, Inc.		
8.000%, 03/15/2026 (A)	800,000	799,000
DaVita, Inc.		
5.000%, 05/01/2025	310,000	319,821
HCA, Inc.		
5.625%, 09/01/2028	2,500,000	2,825,000
HLF Financing Sarl LLC		
7.250%, 08/15/2026 (A)	610,000	637,450
Polaris Intermediate Corp. (8.500% Cash or 9.250% PIK) 8.500%, 12/ 01/2022 (A)	620,000	514,445
RegionalCare Hospital Partners Holdings, Inc.		
8.250%, 05/01/2023 (A)	500,000	531,250
9.750%, 12/01/2026 (A)	480,000	528,000
Tenet Healthcare Corp.		
6.750%, 06/15/2023	1,000,000	1,080,000
Teva Pharmaceutical Finance Netherlands III BV		
2.800%, 07/21/2023	800,000	722,000

HSBC Holdings PLC (6.500% to 3-23-28, then 5 Year U.S. ISDAFIX + 3.606%) 03/23/2028 (E)	720,000	780,480	7.125%, 01/31/2025 (A)	850,000	864,875
Intesa Sanpaolo SpA 5.017%, 06/26/2024 (A)	200,000	208,061	<b>Industrials – 9.4%</b>		16,560,516
NatWest Markets NV 7.750%, 05/15/2023	520,000	588,809	Ahern Rentals, Inc. 7.375%, 05/15/2023 (A)	530,000	413,400
Navient Corp. 6.750%, 06/25/2025 to 06/15/2026	670,000	720,922	Allison Transmission, Inc. 5.000%, 10/01/2024 (A)	640,000	655,200
8.000%, 03/25/2020	162,000	164,279	BBA US Holdings, Inc. 5.375%, 05/01/2026 (A)	790,000	830,669
Quicken Loans, Inc. 5.250%, 01/15/2028 (A)	1,540,000	1,606,921	BWX Technologies, Inc. 5.375%, 07/15/2026 (A)	560,000	590,800
			Cleaver-Brooks, Inc. 7.875%, 03/01/2023 (A)	740,000	707,625

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Continental Airlines 2000-1 Class B Pass Through Trust 8.388%, 05/01/2022	\$ 143	\$ 148
Covanta Holding Corp. 5.875%, 07/01/2025	500,000	522,500
Flexi-Van Leasing, Inc. 10.000%, 02/15/2023 (A)	760,000	723,900
GFL Environmental, Inc. 5.375%, 03/01/2023 (A)	530,000	532,650
8.500%, 05/01/2027 (A)	530,000	564,082
Global Aircraft Leasing Company, Ltd. (6.500% Cash or 7.250% PIK) 6.500%, 09/15/2024 (A)	2,570,000	2,628,596
Harsco Corp. 5.750%, 07/31/2027 (A)	450,000	473,625
Navios Maritime Acquisition Corp. 8.125%, 11/15/2021 (A)	1,490,000	1,184,550
Park-Ohio Industries, Inc. 6.625%, 04/15/2027	818,000	801,640
Prime Security Services Borrower LLC 5.250%, 04/15/2024 (A)	320,000	329,600
5.750%, 04/15/2026 (A)	1,350,000	1,410,102
Sensata Technologies, Inc. 4.375%, 02/15/2030 (A)	420,000	418,929
Standard Industries, Inc. 4.750%, 01/15/2028 (A)	720,000	743,400
6.000%, 10/15/2025 (A)	240,000	251,100
The ADT Security Corp. 4.125%, 06/15/2023	830,000	850,750

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Ardagh Packaging Finance PLC 6.000%, 02/15/2025 (A)	\$ 800,000	\$ 840,000
BHP Billiton Finance USA, Ltd. (6.750% to 10-20-25, then 5 Year U.S. Swap Rate + 5.093%) 10/19/2075 (A)	460,000	538,913
Cascades, Inc. 5.125%, 01/15/2026 (A)	10,000	10,100
5.375%, 01/15/2028 (A)	610,000	616,863
First Quantum Minerals, Ltd. 6.875%, 03/01/2026 (A)	620,000	602,950
7.250%, 04/01/2023 (A)	600,000	607,500
7.500%, 04/01/2025 (A)	1,150,000	1,129,875
Flex Acquisition Company, Inc. 7.875%, 07/15/2026 (A)	810,000	773,550
Freeport-McMoRan, Inc. 3.550%, 03/01/2022	337,000	338,685
4.550%, 11/14/2024	470,000	493,951
5.450%, 03/15/2043	2,880,000	2,764,800
FXI Holdings, Inc. 7.875%, 11/01/2024 (A)	780,000	703,950
Greif, Inc. 6.500%, 03/01/2027 (A)	920,000	982,100
Hudbay Minerals, Inc. 7.625%, 01/15/2025 (A)	1,740,000	1,744,350
Mercer International, Inc. 5.500%, 01/15/2026	590,000	590,000
7.375%, 01/15/2025	890,000	945,447

United Rentals North America, Inc.				Midwest Vanadium Pty, Ltd.			
3.875%, 11/15/2027	180,000	181,575		11.500%, 02/15/2018 (A)(C)	1,953,148	2,441	
4.875%, 01/15/2028	350,000	365,183		Northwest Acquisitions ULC		734,589	
5.250%, 01/15/2030	3,470,000	3,686,875		7.125%, 11/01/2022 (A)	1,140,000		
5.500%, 05/15/2027	690,000	736,575		Olin Corp.		555,800	
Waste Pro USA, Inc.				5.000%, 02/01/2030	560,000		
5.500%, 02/15/2026 (A)	580,000	598,850		Pactiv LLC		1,321,500	
XPO CNW, Inc.				7.950%, 12/15/2025	1,200,000	657,000	
6.700%, 05/01/2034	1,000,000	1,013,690		8.375%, 04/15/2027	600,000		
XPO Logistics, Inc.				Summit Materials LLC		843,325	
6.125%, 09/01/2023 (A)	1,085,000	1,120,263		6.500%, 03/15/2027 (A)	790,000		
		22,336,277		Teck Resources, Ltd.		981,152	
<b>Information technology – 1.9%</b>				5.200%, 03/01/2042	970,000		
Amkor Technology, Inc.				Trivium Packaging Finance BV		210,003	
6.625%, 09/15/2027 (A)	780,000	852,150		5.500%, 08/15/2026 (A)	200,000	380,625	
CDK Global, Inc.				8.500%, 08/15/2027 (A)	350,000		
5.250%, 05/15/2029 (A)	20,000	21,203		U.S. Concrete, Inc.		416,000	
5.875%, 06/15/2026	820,000	876,375		6.375%, 06/01/2024	400,000		
CommScope Technologies LLC				Valvoline, Inc.		685,075	
5.000%, 03/15/2027 (A)	250,000	219,380		4.375%, 08/15/2025	670,000		
6.000%, 06/15/2025 (A)	280,000	270,200				22,436,227	
CommScope, Inc.				<b>Real estate – 3.0%</b>			
8.250%, 03/01/2027 (A)	430,000	432,129		CoreCivic, Inc.		68,338	
Dell International LLC				4.625%, 05/01/2023	70,000	579,275	
7.125%, 06/15/2024 (A)	490,000	518,175		5.000%, 10/15/2022	580,000		
j2 Cloud Services LLC				CTR Partnership LP		426,400	
6.000%, 07/15/2025 (A)	760,000	803,700		5.250%, 06/01/2025	410,000		
Western Digital Corp.				Five Point Operating Company LP		979,170	
4.750%, 02/15/2026	560,000	576,800		7.875%, 11/15/2025 (A)	1,000,000		
		4,570,112		Forestar Group, Inc.		842,400	
<b>Materials – 9.5%</b>				8.000%, 04/15/2024 (A)	780,000	1,174,500	
Alcoa Nederland Holding BV				Iron Mountain, Inc.			
6.125%, 05/15/2028 (A)	790,000	851,225		4.875%, 09/15/2029 (A)	1,160,000		
7.000%, 09/30/2026 (A)	530,000	576,375		MPT Operating Partnership LP		398,514	
ARD Finance SA (6.500% Cash or				4.625%, 08/01/2029	380,000	756,000	
7.250% PIK) 6.500%, 06/30/				5.000%, 10/15/2027	720,000		
2027 (A)	540,000	538,083					

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
The GEO Group, Inc.		
5.875%, 10/15/2024	\$ 850,000	\$ 711,875
6.000%, 04/15/2026	1,500,000	1,188,750

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (F) (continued)</b>		
<b>Consumer discretionary (continued)</b>		
TOMS Shoes LLC, Term Loan B (3 month LIBOR + 5.500%) 7.430%, 11/02/2020	\$ 405,279	\$ 255,326
		5,569,615



# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
BlueMountain CLO, Ltd. (continued)		
Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 9.689%, 08/20/2032 (A)(D)	\$ 375,000	\$ 360,957
Bowman Park CLO, Ltd.		
Series 2014-1A, Class D1R (3 month LIBOR + 3.350%) 5.498%, 11/23/2025 (A)(D)	500,000	502,215
Cook Park CLO, Ltd.		
Series 2018-1A, Class E (3 month LIBOR + 5.400%) 7.402%, 04/17/2030 (A)(D)	250,000	224,561
Cumberland Park CLO, Ltd.		
Series 2015-2A, Class ER (3 month LIBOR + 5.650%) 7.616%, 07/20/2028 (A)(D)	250,000	227,563
Greenwood Park CLO, Ltd.		
Series 2018-1A, Class D (3 month LIBOR + 2.500%) 4.501%, 04/15/2031 (A)(D)	530,000	486,763
Series 2018-1A, Class E (3 month LIBOR + 4.950%) 6.951%, 04/15/2031 (A)(D)	750,000	655,404
Greywolf CLO, Ltd.		
Series 2019-1A, Class C (3 month LIBOR + 3.950%) 5.952%, 04/17/2030 (A)(D)	430,000	429,275
Jackson Mill Clo Ltd.		
Series 2015-1A, Class DR (3 month LIBOR + 2.800%) 4.801%, 04/15/2027 (A)(D)	250,000	238,004
LCM, Ltd. Partnership		
Series 2022-A, Class DR (3 month LIBOR + 5.500%) 7.778%, 10/20/2028 (A)(D)	500,000	417,511
Madison Park Funding, Ltd.		
Series 2014-13A, Class DR2 (3 month LIBOR + 2.850%) 4.816%, 04/19/2030 (A)(D)	1,000,000	957,810
Neuberger Berman CLO, Ltd.		
Series 2014-17A, Class ER (3 month LIBOR + 6.550%) 8.503%, 04/22/2029 (A)(D)	750,000	680,798

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
TCI-Symphony CLO, Ltd.		
Series 2016-1A, Class DR (3 month LIBOR + 3.000%) 5.303%, 10/13/2029 (A)(D)	\$ 540,000	\$ 521,733
Thayer Park CLO, Ltd.		
Series 2017-1A, Class C (3 month LIBOR + 3.700%) 5.978%, 12/18/2019 (A)(D)	250,000	246,796
Voya CLO, Ltd.		
Series 2017-1A, Class C (3 month LIBOR + 3.330%) 5.332%, 04/17/2030 (A)(D)	500,000	483,330
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$10,673,700)		\$ 10,012,833
<b>COMMON STOCKS – 0.9%</b>		
<b>Communication services – 0.0%</b>		
New Cotai, Inc., Class B (G)(H)(I)	11	0
<b>Energy – 0.9%</b>		
Berry Petroleum Corp.	209,683	1,671,161
Hercules Offshore, Inc. (H)(I)	120,022	70,969
KCAD Holdings I, Ltd. (H)(I)	752,218,031	752
Montage Resources Corp. (B)(I)	66,492	328,470
MWO Holdings LLC (H)(I)	1,134	65,851
		2,137,203
<b>TOTAL COMMON STOCKS (Cost \$22,179,933)</b>		\$ 2,137,203
<b>PREFERRED SECURITIES – 0.6%</b>		
<b>Financials – 0.6%</b>		
B. Riley Financial, Inc., 6.875%	16,425	426,722
GMAC Capital Trust I (3 month LIBOR + 5.785%), 7.695% (D)	43,100	1,117,583
<b>TOTAL PREFERRED SECURITIES (Cost \$1,531,225)</b>		\$ 1,544,305
<b>RIGHTS – 0.0%</b>		
DISH Network Corp. (Expiration Date: 12-9-19; Strike Price: \$33.52) (I)	729	496
<b>TOTAL RIGHTS (Cost \$0)</b>		\$ 496
<b>ESCROW SHARES – 0.0%</b>		
Bossier Casino Venture Holdco, Inc. (H)(I)	163,507	42,512
<b>TOTAL ESCROW SHARES (Cost \$0)</b>		\$ 42,512

Oaktree CLO, Ltd. Series 2019-1A, Class D (3 month LIBOR + 3.800%) 6.078%, 04/22/2030 (A)(D)	250,000	236,460
Octagon Investment Partners XWIII, Ltd. Series 2015-1A, Class ER (3 month LIBOR + 5.750%) 7.751%, 07/15/2027 (A)(D)	400,000	378,685
OZLM, Ltd. Series 2014-7RA, Class DR (3 month LIBOR + 6.110%) 8.112%, 07/17/2029 (A)(D)	500,000	411,975
Series 2015-11A, Class CR (3 month LIBOR + 3.600%) 5.536%, 10/30/2030 (A)(D)	1,000,000	959,585
Shackleton CLO, Ltd. Series 2013-3A, Class DR (3 month LIBOR + 3.020%) 5.021%, 07/15/2030 (A)(D)	500,000	462,808
Sound Point CLO, Ltd. Series 2013-2RA, Class E (3 month LIBOR + 6.000%) 8.001%, 04/15/2029 (A)(D)	850,000	693,076

<b>ESCROW CERTIFICATES – 0.0%</b>		
Magellan Health, Inc. 9.750%, 05/15/2020 (H)(I)	\$ 4,380,000	1,134
<b>TOTAL ESCROW CERTIFICATES (Cost \$0)</b>		\$ 1,134
<b>PURCHASED OPTIONS – 0.0%</b>		
<b>Puts – 0.0%</b>		
Over the Counter Option on SPDR Oil & Gas Exploration & Production ETF (Expiration Date: 1-17-20; Strike Price: \$21.00; Counterparty: BNP Paribas SA) (I)(J)	22,414	30,778
<b>TOTAL PURCHASED OPTIONS (Cost \$17,931)</b>		\$ 30,778

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS – 5.5%</b>		
<b>Short-term funds – 5.5%</b>		
John Hancock Collateral Trust, 1.7887% (K)(L)	724,324	\$ 7,247,806
State Street Institutional Treasury Plus Money Market Fund, Premier Class, 1.5658% (K)	5,676,976	5,676,976
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$12,925,330)</b>		\$ 12,924,782
<b>Total Investments (High Yield Fund) (Cost \$267,188,590) – 102.3%</b>		\$ 242,341,126
<b>Other assets and liabilities, net – (2.3%)</b>		(5,473,679)
<b>TOTAL NET ASSETS – 100.0%</b>		\$ 236,867,447

#### Currency Abbreviations

BRL	Brazilian Real
CAD	Canadian Dollar
EUR	Euro
GBP	Pound Sterling

### High Yield Fund (continued)

<b>PIK</b>	<b>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.</b>
<b>(A)</b>	<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 \$124,142,470 or 52.4% of the fund's net assets as of 11-30-19.</b>
<b>(B)</b>	<b>All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$7,102,379.</b>
<b>(C)</b>	<b>Non-income producing - Issuer is in default.</b>
<b>(D)</b>	<b>Variable rate obligation. The coupon rate shown represents the rate at period end.</b>
<b>(E)</b>	<b>Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.</b>
<b>(F)</b>	<b>Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.</b>
<b>(G)</b>	<b>Direct placement securities are restricted as to resale, and the fund has limited rights to registration under the Securities Act of 1933. For more information on this security refer to the Notes to Portfolio of Investments.</b>
<b>(H)</b>	<b>Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.</b>
<b>(I)</b>	<b>Non-income producing security.</b>

IDR Indonesian Rupiah

(J) For this type of option, notional amounts are equivalent to number of contracts.

Security Abbreviations and Legend

(K) The rate shown is the annualized seven-day yield as of 11-30-19.

BNP BNP Paribas

(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.

CMT Constant Maturity Treasury

ISDAFIX International Swaps and Derivatives Association Fixed Interest Rate Swap Rate

LIBOR London Interbank Offered Rate

## DERIVATIVES

### FUTURES

	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
Open contracts						
5-Year U.S. Treasury Note Futures	177	Long	Mar 2020	\$21,070,914	\$21,057,469	\$(13,445)
U.S. Treasury Long Bond Futures	16	Short	Mar 2020	(2,550,667)	(2,543,500)	7,167
						<b>\$(6,278)</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
GBP	587,667	USD	720,563	JPM	1/17/2020	\$40,853	—
MXN	3,526,523	USD	177,324	JPM	1/17/2020	1,759	—
USD	662,332	CAD	880,827	JPM	1/17/2020	—	\$(1,058)
USD	961,227	EUR	869,743	BNP	1/17/2020	—	(308)
						<b>\$42,612</b>	<b>\$(1,366)</b>

Derivatives Currency Abbreviations

CAD Canadian Dollar

EUR Euro

GBP Pound Sterling

MXN Mexican Peso

USD U.S. Dollar

Derivatives Abbreviations

BNP BNP Paribas

JPM JPMorgan Chase Bank, N.A.

OTC Over-the-counter

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

International Strategic Equity Allocation Fund

International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value		Shares or Principal Amount	Value
<b>COMMON STOCKS - 91.2%</b>			<b>COMMON STOCKS (continued)</b>		
<b>Australia - 1.7%</b>			<b>Australia (continued)</b>		
AGL Energy, Ltd.	18,163	\$ 250,688	Wesfarmers, Ltd.	31,243	\$ 898,343
Alumina, Ltd.	68,216	106,595	Westpac Banking Corp.	95,130	1,587,181
AMP, Ltd.	92,604	122,554	Woodside Petroleum, Ltd.	25,706	599,845
APA Group	32,346	240,968	Woolworths Group, Ltd.	34,649	934,799
Aristocrat Leisure, Ltd.	15,940	366,091	Worley, Ltd.	9,419	95,525
ASX, Ltd.	5,364	296,679			29,138,344
Aurizon Holdings, Ltd.	54,562	213,492	<b>Austria - 0.2%</b>		
AusNet Services	44,811	52,749	ANDRITZ AG	6,360	247,922
Australia & New Zealand Banking Group, Ltd.	78,281	1,314,980	Erste Group Bank AG (A)	26,466	946,783
Bank of Queensland, Ltd.	10,448	55,372	OMV AG	12,931	736,543
Bendigo & Adelaide Bank, Ltd.	12,879	87,439	Raiffeisen Bank International AG	13,067	306,522
BHP Group PLC	115,754	2,564,422	Verbund AG	5,988	311,303
BHP Group, Ltd.	81,546	2,102,672	voestalpine AG	10,222	270,490
BlueScope Steel, Ltd.	14,767	145,312			2,819,563
Boral, Ltd.	32,957	114,761	<b>Belgium - 1.2%</b>		
Brambles, Ltd.	44,022	374,221	Ageas	29,688	1,781,263
Caltex Australia, Ltd.	6,639	155,226	Anheuser-Busch InBev SA	123,684	9,804,215
Challenger, Ltd.	15,297	84,378	Colruyt SA	8,833	457,359
CIMIC Group, Ltd.	2,803	63,923	Groupe Bruxelles Lambert SA	13,044	1,323,347
Coca-Cola Amatil, Ltd.	13,775	106,078	KBC Group NV	40,469	2,945,768
Cochlear, Ltd.	1,590	251,959	Proximus SADP	24,458	737,772
Coles Group, Ltd.	31,081	342,683	Solvay SA	12,039	1,379,611
Commonwealth Bank of Australia	48,807	2,670,268	Telenet Group Holding NV	7,370	332,509
Computershare, Ltd.	13,229	158,682	UCB SA	20,477	1,658,972
Crown Resorts, Ltd.	9,994	87,399	Umicore SA	32,001	1,374,026
CSL, Ltd.	12,518	2,402,134			21,794,842
Dexus	30,001	247,900	<b>Brazil - 0.4%</b>		
Flight Centre Travel Group, Ltd.	1,540	45,958	Ambev SA	136,500	578,409
Fortescue Metals Group, Ltd.	39,154	257,842	Atacadao SA	11,000	48,612
Goodman Group	45,123	451,885	B2W Cia Digital (A)	5,900	78,027
Harvey Norman Holdings, Ltd.	15,367	44,768	B3 SA - Brasil Bolsa Balcao	59,620	669,892
Incitec Pivot, Ltd.	45,044	98,493	Banco Bradesco SA	34,787	254,224
Insurance Australia Group, Ltd.	68,676	367,152	Banco BTG Pactual SA	6,500	106,642
Lendlease Group	15,688	205,562	Banco do Brasil SA	24,800	279,181
			Banco Santander Brasil SA	11,900	124,180
			BB Seguridade Participacoes SA	22,200	180,276
			BR Malls Participacoes SA	21,735	80,806
			BRF SA (A)	16,300	140,258
			CCR SA	35,000	142,358
			Centrais Eletricas Brasileiras SA	6,500	53,475
			Cia de Saneamento Basico do Estado de Sao Paulo	9,900	132,937
			Cia Siderurgica Nacional SA	18,700	56,051
			Cielo SA	35,160	64,528
			Cogna Educacao	42,600	104,344
			Cosan SA	4,500	66,197
			Embraer SA	19,900	84,842
			Energisa SA	4,700	50,933
			Engie Brasil Energia SA	5,825	65,065

Macquarie Group, Ltd.	8,995	840,533	Equatorial Energia SA	24,000	117,458
Magellan Financial Group, Ltd.	3,559	126,305	Hypera SA	10,700	84,363
Medibank Private, Ltd.	84,524	186,637	IRB Brasil Resseguros SA	21,100	185,448
Mirvac Group	107,771	245,374	JBS SA	31,700	211,149
MMG, Ltd. (A)	188,000	41,053	Klabin SA	19,300	80,734
National Australia Bank, Ltd.	77,527	1,358,714	Localiza Rent a Car SA	16,615	174,128
Newcrest Mining, Ltd.	20,985	437,005	Lojas Renner SA	22,439	274,545
Oil Search, Ltd.	37,295	187,682	M Dias Branco SA	2,700	21,307
Orica, Ltd.	10,470	168,615	Magazine Luiza SA	17,500	186,834
Origin Energy, Ltd.	48,482	285,740	Multiplan Empreendimentos Imobiliarios SA	7,500	51,143
QBE Insurance Group, Ltd.	39,671	340,780	Natura Cosmeticos SA	11,000	85,871
Ramsay Health Care, Ltd.	4,424	218,633	Notre Dame Intermedica Participacoes SA	9,900	131,838
REA Group, Ltd.	1,403	99,314			
Santos, Ltd.	48,623	267,998			
Scentre Group	145,710	387,873			
SEEK, Ltd.	9,153	143,783			
Sonic Healthcare, Ltd.	12,373	252,362			
South32, Ltd.	139,959	255,065			
Stockland	65,941	225,172			
Suncorp Group, Ltd.	37,910	343,435			
Sydney Airport	30,140	187,378			
Tabcorp Holdings, Ltd.	55,739	180,959			
Telstra Corp., Ltd.	115,536	301,996			
The GPT Group	52,547	218,297			
TPG Telecom, Ltd.	9,953	47,095			
Transurban Group	73,762	766,859			
Treasury Wine Estates, Ltd.	19,980	253,086			
Vicinity Centres	86,370	156,400			
Washington H Soul Pattinson & Company, Ltd.	3,128	47,223			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		

<b>Brazil (continued)</b>			<b>Canada (continued)</b>		
Petrobras Distribuidora SA	19,500	\$ 128,735	Kinross Gold Corp. (A)	105,812	\$ 457,247
Petroleo Brasileiro SA	85,700	632,168	Kirkland Lake Gold, Ltd.	16,774	702,884
Porto Seguro SA	3,500	48,701	Linamar Corp.	319	10,677
Raia Drogasil SA	6,700	179,476	Loblaw Companies, Ltd.	16,095	862,851
Rumo SA (A)	31,300	179,356	Lundin Mining Corp.	57,564	311,590
Sul America SA	7,496	93,468	Magna International, Inc.	26,086	1,435,584
Suzano SA	15,627	140,778	Methanex Corp.	5,801	216,702
TIM Participacoes SA	24,300	78,576	Metro, Inc.	22,098	968,898
Ultrapar Participacoes SA	20,200	102,343	National Bank of Canada	28,835	1,538,894
Vale SA (A)	91,670	1,080,458	Nutrien, Ltd.	49,284	2,336,194
WEG SA	24,220	169,964	Onex Corp.	7,479	447,738
		<hr/>	Open Text Corp.	23,022	1,002,825
		7,800,078	Pembina Pipeline Corp.	43,407	1,518,248
<b>Canada - 7.0%</b>			Power Corp. of Canada	28,628	693,555
Agnico Eagle Mines, Ltd.	19,698	1,174,198	Power Financial Corp.	26,424	645,133
Air Canada (A)	11,510	432,394	PrairieSky Royalty, Ltd.	18,205	188,176
Alimentation Couche-Tard, Inc., Class B	73,638	2,419,859	Quebecor, Inc., Class B	16,000	398,223
AltaGas, Ltd.	23,696	350,900	Restaurant Brands International, Inc.	20,480	1,343,851
Atco, Ltd., Class I	7,132	269,967	RioCan Real Estate Investment Trust	14,623	300,210
Aurora Cannabis, Inc. (A)	60,072	150,146	Rogers Communications, Inc., Class B	30,857	1,490,930
Bank of Montreal	53,921	4,147,488	Royal Bank of Canada	120,128	9,818,789
Barrick Gold Corp. (A)	148,525	2,497,407	Saputo, Inc.	20,348	617,655
BCE, Inc.	13,827	664,441	Shaw Communications, Inc., Class B	40,346	838,327
BlackBerry, Ltd. (A)	44,615	248,552	Shopify, Inc., Class A (A)	8,308	2,797,500
Bombardier, Inc., Class B (A)	180,085	269,795	SmartCentres Real Estate Investment Trust	7,722	186,786
Brookfield Asset Management, Inc., Class A	75,120	4,384,592	SNC-Lavalin Group, Inc.	14,962	274,054
CAE, Inc.	22,925	617,524	Sun Life Financial, Inc.	51,834	2,367,124
Cameco Corp.	33,920	313,842	Suncor Energy, Inc.	131,938	4,142,494
Canadian Imperial Bank of Commerce	37,671	3,272,496	TC Energy Corp.	77,785	3,960,400
Canadian National Railway Company	60,625	5,522,566	Teck Resources, Ltd., Class B	42,864	672,503
Canadian Natural Resources, Ltd.	100,344	2,804,163	TELUS Corp.	17,890	675,572
Canadian Pacific Railway, Ltd.	11,808	2,814,345	The Bank of Nova Scotia	102,715	5,762,495
Canadian Tire Corp., Ltd., Class A	5,044	585,473	The Stars Group, Inc. (A)	19,459	472,448
Canadian Utilities, Ltd., Class A	11,956	352,388	The Toronto-Dominion Bank	153,177	8,851,815
Canopy Growth Corp. (A)	17,459	324,654	Thomson Reuters Corp.	17,341	1,222,995
CCL Industries, Inc., Class B	12,878	553,784	Tourmaline Oil Corp.	22,587	210,685
Cenovus Energy, Inc.	88,211	784,954	Vermilion Energy, Inc.	13,464	194,515
CGI, Inc. (A)	20,957	1,742,762	West Fraser Timber Company, Ltd.	4,672	203,861
CI Financial Corp.	20,889	328,676	Wheaton Precious Metals Corp.	37,416	1,034,341
Constellation Software, Inc.	1,705	1,821,435	WSP Global, Inc.	9,245	601,555
Cronos Group, Inc. (A)	15,603	106,777			<hr/>
Dollarama, Inc.	25,291	926,778			121,204,587
Emera, Inc.	20,896	861,293	<b>Chile - 0.1%</b>		
Empire Company, Ltd., Class A	15,189	407,426	Aguas Andinas SA, Class A	83,774	33,770
Enbridge, Inc.	169,084	6,420,686	Antofagasta PLC	21,464	240,485
Encana Corp.	110,624	436,816	Banco de Chile	1,459,171	148,304
Fairfax Financial Holdings, Ltd.	2,481	1,128,918	Banco de Credito e Inversiones SA	1,570	66,804
First Capital Realty, Inc.	17,365	283,163	Banco Santander Chile	2,123,312	113,279
First Quantum Minerals, Ltd.	58,355	540,365	Cencosud SA	50,473	61,039
Fortis, Inc.	37,046	1,451,384	Cia Cervecerias Unidas SA	4,984	45,489
Franco-Nevada Corp.	15,697	1,542,047	Colbun SA	277,936	39,594
George Weston, Ltd.	6,880	557,372	Empresa Nacional de Telecomunicaciones SA (A)	4,961	30,399

Gildan Activewear, Inc.	17,634	513,103	Empresas CMPC SA	39,501	85,701
Great-West Lifeco, Inc.	27,473	691,013	Empresas COPEC SA	13,023	103,210
H&R Real Estate Investment Trust	14,284	232,815	Enel Americas SA	1,321,990	254,118
Husky Energy, Inc.	31,330	229,969	Enel Chile SA	1,007,646	74,230
Hydro One, Ltd. (B)	29,764	561,310	Itau CorpBanca	4,240,233	20,733
iA Financial Corp., Inc.	10,521	540,030	Latam Airlines Group SA	10,488	110,628
IGM Financial, Inc.	8,509	245,027	SACI Falabella	25,290	102,104
Imperial Oil, Ltd.	23,537	591,304			1,529,887
Intact Financial Corp.	12,459	1,283,981	<b>China - 6.3%</b>		
Inter Pipeline, Ltd.	34,885	580,673	3SBio, Inc. (A)(B)	95,600	137,986
Keyera Corp.	18,323	447,212			

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>China (continued)</b>		
51job, Inc., ADR (A)	1,900	\$ 149,378
58.com, Inc., ADR (A)	7,100	436,792
AAC Technologies Holdings, Inc.	55,100	388,703
Agile Group Holdings, Ltd.	103,900	145,784
Agricultural Bank of China, Ltd., H Shares	2,211,200	895,275
Air China, Ltd., H Shares	139,300	126,739
Alibaba Group Holding, Ltd., ADR (A)	107,500	21,500,000
Aluminum Corp. of China, Ltd., H Shares (A)	300,600	92,133
Angang Steel Company, Ltd., H Shares	112,200	42,566
Anhui Conch Cement Company, Ltd., H Shares	93,100	595,605
ANTA Sports Products, Ltd.	81,500	766,439
Autohome, Inc., ADR (A)	4,500	306,225
AviChina Industry & Technology Company, Ltd., H Shares	187,000	85,269
BAIC Motor Corp., Ltd., H Shares (B)	124,500	69,786
Baidu, Inc., ADR (A)	21,000	2,489,130
Bank of China, Ltd., H Shares	6,001,600	2,406,977
Bank of Communications Company, Ltd., H Shares	653,900	429,239
Baozun, Inc., ADR (A)	3,100	117,707
BBMG Corp., H Shares	162,000	44,685
BeiGene, Ltd., ADR (A)	700	142,303
Beijing Capital International Airport Company, Ltd., H Shares	126,900	119,977
BYD Company, Ltd., H Shares	48,500	229,472

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>China (continued)</b>		
China Medical System Holdings, Ltd.	103,300	\$ 146,982
China Merchants Bank Company, Ltd., H Shares	295,200	1,394,869
China Minsheng Banking Corp., Ltd., H Shares	524,520	365,097
China Molybdenum Company, Ltd., H Shares	288,100	98,606
China National Building Material Company, Ltd., H Shares	293,700	283,974
China Oilfield Services, Ltd., H Shares	121,700	163,831
China Oriental Group Company, Ltd.	94,000	38,790
China Pacific Insurance Group Company, Ltd., H Shares	202,600	716,514
China Petroleum & Chemical Corp., H Shares	1,927,300	1,080,839
China Railway Construction Corp., Ltd., H Shares	147,500	152,260
China Railway Group, Ltd., H Shares	286,600	167,773
China Railway Signal & Communication Corp., Ltd., H Shares (B)	107,000	57,402
China Reinsurance Group Corp., H Shares	512,000	81,098
China Resources Pharmaceutical Group, Ltd. (B)	117,100	102,293
China Shenhua Energy Company, Ltd., H Shares	255,000	493,729
China Southern Airlines Company, Ltd., H Shares	128,800	80,504
China Telecom Corp., Ltd., H Shares	1,041,100	393,995

BYD Electronic International Company, Ltd.	51,400	91,916	China Tower Corp., Ltd., H Shares (B)	3,172,000	648,193
CGN Power Company, Ltd., H Shares (B)	792,900	198,584	China Vanke Company, Ltd., H Shares	113,000	422,935
China Aoyuan Group, Ltd.	93,000	133,014	China Zhongwang Holdings, Ltd.	122,800	49,111
China Cinda Asset Management Company, Ltd., H Shares	675,200	140,588	Chongqing Rural Commercial Bank Company, Ltd., H Shares	180,700	89,788
China CITIC Bank Corp., Ltd., H Shares	671,000	366,821	CIFI Holdings Group Company, Ltd.	210,000	152,994
China Coal Energy Company, Ltd., H Shares	143,000	56,617	CITIC Securities Company, Ltd., H Shares	155,700	288,926
China Communications Construction Company, Ltd., H Shares	334,500	260,303	CNOOC, Ltd.	1,347,500	1,956,072
China Communications Services Corp., Ltd., H Shares	179,200	120,634	COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	92,000	37,957
China Conch Venture Holdings, Ltd.	122,800	477,703	COSCO SHIPPING Holdings Company, Ltd., H Shares (A)	193,000	71,241
China Construction Bank Corp., H Shares	7,268,500	5,782,178	Country Garden Holdings Company, Ltd.	575,300	802,178
China Eastern Airlines Corp., Ltd., H Shares (A)	142,000	72,106	Country Garden Services Holdings Company, Ltd.	91,000	294,439
China Everbright Bank Company, Ltd., H Shares	233,000	100,590	CRRC Corp., Ltd., H Shares	328,500	216,086
China Evergrande Group (A)	139,900	333,879	CSPC Pharmaceutical Group, Ltd.	354,300	806,333
China Galaxy Securities Company, Ltd., H Shares	268,000	136,170	Dali Foods Group Company, Ltd. (B)	152,500	103,644
China Hongqiao Group, Ltd.	130,000	68,238	Datang International Power Generation Company, Ltd., H Shares	214,000	39,649
China Huarong Asset Management Company, Ltd., H Shares (B)	767,600	111,821	Dongfeng Motor Group Company, Ltd., H Shares	205,300	197,176
China Huishan Dairy Holdings Company, Ltd. (A)(C)	175,000	2,571	ENN Energy Holdings, Ltd.	59,400	645,582
China International Capital Corp., Ltd., H Shares (B)	100,800	173,451	Fosun International, Ltd.	195,500	263,206
China Life Insurance Company, Ltd., H Shares	569,200	1,436,208	Fuyao Glass Industry Group Company, Ltd., H Shares (B)	37,700	111,216
China Literature, Ltd. (A)(B)	19,400	74,485	GDS Holdings, Ltd., ADR (A)	4,500	210,690
China Longyuan Power Group Corp., Ltd., H Shares	239,700	129,856	Genscript Biotech Corp. (A)	70,000	168,992
			GF Securities Company, Ltd., H Shares	104,000	111,259
			GOME Retail Holdings, Ltd. (A)	698,200	61,537
			Great Wall Motor Company, Ltd., H Shares	233,400	180,332
			Greentown Service Group Company, Ltd.	84,000	92,037

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>China (continued)</b>		
Guangzhou Automobile Group Company, Ltd., H Shares	221,080	\$ 236,065

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>China (continued)</b>		
Postal Savings Bank of China Company, Ltd., H Shares (B)	596,000	\$ 386,717

Guangzhou R&F Properties Company, Ltd., H Shares	78,400	131,769	Seazen Group, Ltd. (A)	136,000	144,901
Guotai Junan Securities Company, Ltd., H Shares (B)	58,200	88,466	Semiconductor Manufacturing International Corp. (A)	227,800	290,310
Haidilao International Holding, Ltd. (B)	28,000	117,684	Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	152,000	183,443
Haitian International Holdings, Ltd.	48,400	108,169	Shanghai Electric Group Company, Ltd., H Shares	194,000	59,720
Haitong Securities Company, Ltd., H Shares	219,700	219,200	Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares	39,100	109,875
Hengan International Group Company, Ltd.	53,600	353,900	Shanghai Lujiazui Finance & Trade Zone Development Company, Ltd., B Shares	76,780	70,296
HengTen Networks Group, Ltd. (A)	1,708,000	24,659	Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	61,900	111,015
Hua Hong Semiconductor, Ltd. (B)	34,000	60,281	Shenzhen International Group Holdings, Ltd.	56,800	748,764
Huadian Power International Corp., Ltd., H Shares	118,000	42,955	Shui On Land, Ltd.	273,500	57,250
Huaneng Power International, Inc., H Shares	277,700	137,638	Sihuan Pharmaceutical Holdings Group, Ltd.	293,400	33,349
Huaneng Renewables Corp., Ltd., H Shares	363,700	139,015	SINA Corp. (A)	4,700	163,983
Huatai Securities Company, Ltd., H Shares (B)	124,100	186,050	Sino-Ocean Group Holding, Ltd.	233,500	86,650
Huazhu Group, Ltd., ADR	10,000	342,100	Sinopec Engineering Group Company, Ltd., H Shares	106,500	62,390
Industrial & Commercial Bank of China, Ltd., H Shares	4,918,800	3,505,577	Sinopec Shanghai Petrochemical Company, Ltd., H Shares	255,700	70,864
Inner Mongolia Yitai Coal Company, Ltd., Class B	73,800	53,206	Sinopharm Group Company, Ltd., H Shares	89,500	295,596
iQIYI, Inc., ADR (A)	9,600	183,840	Sinotrans, Ltd., H Shares	154,000	47,980
JD.com, Inc., ADR (A)	55,800	1,821,870	Sinotruk Hong Kong, Ltd.	52,500	88,651
Jiangsu Expressway Company, Ltd., H Shares	88,900	118,551	SOHO China, Ltd.	156,200	53,908
Jiangxi Copper Company, Ltd., H Shares	83,400	96,180	Sunac China Holdings, Ltd.	185,300	904,140
Kaisa Group Holdings, Ltd. (A)	187,000	73,606	Sunny Optical Technology Group Company, Ltd.	54,000	884,022
Kingdee International Software Group Company, Ltd.	174,000	172,459	TAL Education Group, ADR (A)	29,100	1,287,966
Kingsoft Corp., Ltd. (A)	62,200	137,600	Tencent Holdings, Ltd.	431,600	18,211,429
KWG Group Holdings, Ltd. (A)	97,500	107,207	Tencent Music Entertainment Group, ADR (A)	7,000	87,010
Legend Holdings Corp., H Shares (B)	28,600	58,796	The People's Insurance Company Group of China, Ltd., H Shares	670,200	268,814
Lenovo Group, Ltd.	544,000	359,220	Tingyi Cayman Islands Holding Corp.	148,700	241,944
Li Ning Company, Ltd.	148,500	476,351	Tong Ren Tang Technologies Company, Ltd., H Shares	41,000	35,349
Logan Property Holdings Company, Ltd.	106,000	155,434	TravelSky Technology, Ltd., H Shares	69,500	169,206
Longfor Group Holdings, Ltd. (B)	135,400	554,240	Trip.com Group, Ltd., ADR (A)	35,600	1,183,344
Luye Pharma Group, Ltd. (B)	86,500	63,525	Tsingtao Brewery Company, Ltd., H Shares	29,000	179,312
Maanshan Iron & Steel Company, Ltd., H Shares	122,000	46,279	Uni-President China Holdings, Ltd.	96,000	97,444
Meitu, Inc. (A)(B)	161,700	29,743	Vipshop Holdings, Ltd., ADR (A)	33,100	423,018
Meituan Dianping, Class B (A)	75,800	1,000,254	Want Want China Holdings, Ltd.	373,500	321,553
Metallurgical Corp. of China, Ltd., H Shares	220,000	45,816	Weibo Corp., ADR (A)	4,180	178,946
Momo, Inc., ADR	11,400	426,702	Weichai Power Company, Ltd., H Shares	146,000	249,501
NetEase, Inc., ADR	5,300	1,671,196	WuXi AppTec Company, Ltd., H Shares (B)	11,440	132,773
New China Life Insurance Company, Ltd., H Shares	63,800	245,690	Wuxi Biologics Cayman, Inc. (A)(B)	42,000	474,590
New Oriental Education & Technology Group, Inc., ADR (A)	10,800	1,307,664	Xiaomi Corp., Class B (A)(B)	589,400	673,936
NIO, Inc., ADR (A)	49,800	113,046			

Noah Holdings, Ltd., ADR (A)	2,600	75,764	Xinjiang Goldwind Science & Technology Company, Ltd., H Shares	58,400	64,973
PetroChina Company, Ltd., H Shares	1,594,700	732,596	Xinyi Solar Holdings, Ltd.	242,000	148,733
PICC Property & Casualty Company, Ltd., H Shares	530,950	614,357	Yangzijiang Shipbuilding Holdings, Ltd.	200,100	150,669
Pinduoduo, Inc., ADR (A)	14,600	524,870	Yanzhou Coal Mining Company, Ltd., H Shares	132,700	117,299
Ping An Insurance Group Company of China, Ltd., H Shares	424,300	4,818,057	Yihai International Holding, Ltd. (A)	36,000	228,942

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>China (continued)</b>		
Yum China Holdings, Inc.	27,184	\$ 1,210,232
Yuzhou Properties Company, Ltd.	132,000	60,783
YY, Inc., ADR (A)	4,200	267,918
Zhaojin Mining Industry Company, Ltd., H Shares	72,500	75,117
Zhejiang Expressway Company, Ltd., H Shares	105,800	92,547
ZhongAn Online P&C Insurance Company, Ltd., H Shares (A)(B)	24,500	84,642
Zhongsheng Group Holdings, Ltd.	42,500	150,633
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	41,100	140,403
Zijin Mining Group Company, Ltd., H Shares	425,200	159,248
ZTE Corp., H Shares (A)	57,100	152,015
ZTO Express Cayman, Inc., ADR	24,100	512,848
		110,290,640
<b>Colombia - 0.0%</b>		
Bancolombia SA	12,097	141,020
Cementos Argos SA	23,088	41,685
Ecopetrol SA	266,183	244,835
Grupo Argos SA	14,900	74,308
Grupo de Inversiones Suramericana SA	12,184	112,727
Interconexion Electrica SA ESP	24,057	127,636
		742,211
<b>Czech Republic - 0.0%</b>		
CEZ AS	11,263	247,742
Komercni banka AS	5,358	182,458
Moneta Money Bank AS (B)	34,132	116,559
		546,759

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Finland (continued)</b>		
Wartsila OYJ ABP	9,526	\$ 95,889
		5,031,794
<b>France - 10.1%</b>		
Accor SA	19,920	852,115
Aeroports de Paris	3,202	626,227
Air Liquide SA	51,429	6,972,782
Airbus SE	63,573	9,341,678
Alstom SA	20,622	899,298
Amundi SA (B)	6,605	499,992
Arkema SA	7,521	779,415
Atos SE	10,693	908,293
AXA SA	212,909	5,792,638
BioMerieux	4,484	405,405
BNP Paribas SA	122,513	6,868,260
Bollere SA	94,880	405,542
Bouygues SA	24,300	992,644
Bureau Veritas SA	31,085	813,860
Capgemini SE	17,280	2,044,106
Carrefour SA	64,219	1,059,841
Casino Guichard Perrachon SA	5,944	261,610
Cie de Saint-Gobain	53,667	2,172,874
Cie Generale des Etablissements Michelin SCA	18,590	2,229,346
CNP Assurances	20,307	400,962
Covivio	4,830	534,319
Credit Agricole	124,868	1,703,988
Danone SA	67,214	5,530,498
Dassault Aviation SA	272	370,105
Dassault Systemes SE	14,280	2,249,557
Edenred	26,010	1,291,192
Eiffage SA	8,496	927,360



Thales SA	11,579	1,134,281	thyssenkrupp AG	36,551	457,172
TOTAL SA	260,198	13,648,568	TUI AG	24,192	331,592
Ubisoft Entertainment SA (A)	9,085	551,838	Uniper SE	18,153	585,757
Unibail-Rodamco-Westfield	15,029	2,349,464	United Internet AG	11,144	377,285
Valeo SA	26,179	1,031,014	Volkswagen AG	2,957	562,810
Veolia Environnement SA	58,318	1,493,227	Vonovia SE	45,732	2,380,444
Vinci SA	55,572	6,057,982	Wirecard AG	10,610	1,396,556
Vivendi SA	99,571	2,733,361	Zalando SE (A)(B)	12,486	537,068
Wendel SA	2,904	391,356			106,052,315
Worldline SA (A)(B)	10,906	705,894			
		175,344,954	<b>Hong Kong - 1.5%</b>		
<b>Germany - 6.1%</b>			AIA Group, Ltd.	247,200	2,473,782
I&I Drillisch AG	4,841	127,971	Alibaba Health Information Technology, Ltd. (A)	267,100	302,295
adidas AG	16,306	5,084,154	Alibaba Pictures Group, Ltd. (A)	1,095,600	182,004
Allianz SE	38,573	9,225,413	ASM Pacific Technology, Ltd.	6,000	78,323
Axel Springer SE	2,839	199,146	Beijing Enterprises Holdings, Ltd.	38,000	167,956
Axel Springer SE, Tender Offer (A)	1,426	98,310	Beijing Enterprises Water Group, Ltd. (A)	414,500	203,391
BASF SE	83,068	6,235,278	BOC Hong Kong Holdings, Ltd.	74,500	253,082
Bayer AG	84,328	6,368,810	Bosideng International Holdings, Ltd.	244,000	116,564
Bayerische Motoren Werke AG	29,811	2,404,135	Brilliance China Automotive Holdings, Ltd.	229,500	236,780
Beiersdorf AG	9,040	1,053,133	Budweiser Brewing Company APAC, Ltd. (A)(B)	24,400	86,963
Brenntag AG	13,928	742,258	China Agri-Industries Holdings, Ltd.	181,000	95,050
Carl Zeiss Meditec AG, Bearer Shares	3,624	442,832	China Ding Yi Feng Holdings, Ltd. (C)	88,000	852
Commerzbank AG	91,092	526,197	China Education Group Holdings, Ltd.	46,000	62,288
Continental AG	9,943	1,299,530	China Everbright International, Ltd.	276,200	208,909
Covestro AG (B)	15,767	737,656	China Everbright, Ltd.	71,100	114,266
Daimler AG	82,215	4,627,682	China First Capital Group, Ltd. (A)	224,000	11,728
Delivery Hero SE (A)(B)	10,176	537,416	China Gas Holdings, Ltd.	137,600	511,454
Deutsche Bank AG	177,718	1,276,359	China Jinmao Holdings Group, Ltd.	394,900	262,644
Deutsche Boerse AG	17,133	2,622,067	China Mengniu Dairy Company, Ltd. (A)	207,900	795,371
Deutsche Lufthansa AG	21,675	411,058	China Merchants Port Holdings Company, Ltd.	100,300	156,028
Deutsche Post AG	89,475	3,335,712	China Mobile, Ltd.	463,900	3,497,592
Deutsche Telekom AG	300,794	5,050,146	China Overseas Land & Investment, Ltd.	289,500	971,619
Deutsche Wohnen SE	32,093	1,253,576	China Power International Development, Ltd.	322,000	66,667
E.ON SE	198,534	2,077,438	China Resources Beer Holdings Company, Ltd.	111,200	582,428
Evonik Industries AG	16,908	490,336	China Resources Cement Holdings, Ltd.	186,000	222,843
Fraport AG Frankfurt Airport Services Worldwide	3,709	315,372	China Resources Gas Group, Ltd.	67,100	373,618
Fresenius Medical Care AG & Company KGaA	19,488	1,426,726	China Resources Land, Ltd.	209,700	907,835
Fresenius SE & Company KGaA	37,718	2,063,407	China Resources Power Holdings Company, Ltd.	145,100	188,684
GEA Group AG	13,866	445,168	China State Construction International Holdings, Ltd.	153,500	121,134
Hannover Rueck SE	5,665	1,051,138	China Taiping Insurance Holdings Company, Ltd.	127,000	293,608
HeidelbergCement AG	13,457	991,612	China Traditional Chinese Medicine Holdings Company, Ltd.	174,000	77,578
Henkel AG & Company KGaA	9,371	905,279	China Unicom Hong Kong, Ltd.	461,300	395,182
HOCHTIEF AG	2,232	274,119			
HUGO BOSS AG	5,733	269,900			
Infineon Technologies AG	113,015	2,408,524			
KION Group AG	5,881	389,146			
Knorr-Bremse AG	4,348	422,590			
LANXESS AG	7,896	526,126			
Merck KGaA	11,666	1,361,669			
METRO AG	16,018	258,123			
MTU Aero Engines AG	4,698	1,271,808			

Muenchener Rueckversicherungs- Gesellschaft AG	13,200	3,787,621	CITIC, Ltd.	439,600	550,314
Puma SE	7,492	562,445	CK Asset Holdings, Ltd.	53,000	352,420
			CK Hutchison Holdings, Ltd.	55,000	499,491
			CK Infrastructure Holdings, Ltd.	13,000	87,990

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Hong Kong (continued)</b>		
CLP Holdings, Ltd.	32,500	\$ 334,878
COSCO SHIPPING Ports, Ltd.	125,700	102,257
Dairy Farm International Holdings, Ltd.	6,200	36,257
Far East Horizon, Ltd.	160,800	145,996
Galaxy Entertainment Group, Ltd.	44,000	288,127
Geely Automobile Holdings, Ltd.	378,300	707,462
Guangdong Investment, Ltd.	218,900	452,656
Haier Electronics Group Company, Ltd.	95,700	266,012
Hang Lung Properties, Ltd.	40,000	81,898
Hang Seng Bank, Ltd.	15,300	311,892
Henderson Land Development Company, Ltd.	30,041	144,588
HK Electric Investments & HK Electric Investments, Ltd.	39,000	38,203
HKT Trust & HKT, Ltd.	71,000	104,126
Hong Kong & China Gas Company, Ltd.	202,646	385,998
Hong Kong Exchanges & Clearing, Ltd.	24,300	769,592
Hongkong Land Holdings, Ltd.	23,300	128,108
Hutchison China MediTech, Ltd., ADR (A)	4,500	108,495
Hysan Development Company, Ltd.	12,000	45,229
Jardine Matheson Holdings, Ltd.	4,500	252,963
Jardine Strategic Holdings, Ltd.	4,500	142,883
Kerry Properties, Ltd.	13,500	43,557
Kingboard Holdings, Ltd.	49,700	136,817
Kingboard Laminates Holdings, Ltd.	82,500	93,048
Kunlun Energy Company, Ltd.	242,900	205,713
Lee & Man Paper Manufacturing, Ltd.	100,500	68,035
Link REIT	42,000	428,885
Melco Resorts & Entertainment, Ltd., ADR	4,300	91,504
MTR Corp., Ltd.	31,000	173,952

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Hungary - 0.1%</b>		
MOL Hungarian Oil & Gas PLC	32,993	\$ 318,885
OTP Bank Nyrt	18,075	850,093
Richter Gedeon Nyrt	11,268	215,777
		1,384,755
<b>Indonesia - 0.1%</b>		
Adaro Energy Tbk PT	247,400	21,557
Astra International Tbk PT	342,200	157,581
Bank Central Asia Tbk PT	165,300	367,869
Bank Mandiri Persero Tbk PT	316,800	156,460
Bank Negara Indonesia Persero Tbk PT	128,600	68,301
Bank Rakyat Indonesia Persero Tbk PT	949,600	275,117
Bank Tabungan Negara Persero Tbk PT	70,900	10,697
Barito Pacific Tbk PT	474,200	45,716
Bukit Asam Tbk PT	48,900	8,384
Bumi Serpong Damai Tbk PT (A)	128,700	11,402
Charoen Pokphand Indonesia Tbk PT	127,600	60,807
Gudang Garam Tbk PT	8,500	30,348
Hanjaya Mandala Sampoerna Tbk PT	167,200	22,919
Indah Kiat Pulp & Paper Corp. Tbk PT	48,000	23,112
Indocement Tungal Prakarsa Tbk PT	30,700	42,189
Indofood CBP Sukses Makmur Tbk PT	37,200	29,869
Indofood Sukses Makmur Tbk PT	72,300	40,706
Jasa Marga Persero Tbk PT	33,100	11,582
Kalbe Farma Tbk PT	342,700	37,016
Pabrik Kertas Tjiwi Kimia Tbk PT	24,400	15,894
Pakuwon Jati Tbk PT	284,000	11,378
Perusahaan Gas Negara Tbk PT	191,300	26,033
Semen Indonesia Persero Tbk PT	50,700	41,145
Surya Citra Media Tbk PT	101,200	8,604
Telekomunikasi Indonesia Persero Tbk PT	842,700	234,102

New World Development Company, Ltd.	125,000	163,106	Unilever Indonesia Tbk PT	24,600	72,858
Nine Dragons Paper Holdings, Ltd.	123,900	126,144	United Tractors Tbk PT	27,900	41,367
NWS Holdings, Ltd.	32,000	42,936			1,873,013
PCCW, Ltd.	67,000	40,400	<b>Ireland - 0.6%</b>		
Power Assets Holdings, Ltd.	27,000	187,709	AerCap Holdings NV (A)	10,100	624,281
Shanghai Industrial Holdings, Ltd.	35,900	64,663	AIB Group PLC	66,212	216,372
Shangri-La Asia, Ltd.	25,000	25,934	Bank of Ireland Group PLC	78,700	394,662
Shenzhen International Holdings, Ltd.	71,000	150,007	CRH PLC	65,329	2,499,383
Shenzhen Investment, Ltd.	220,000	86,559	DCC PLC	5,369	458,447
Shimao Property Holdings, Ltd.	87,900	318,479	Experian PLC	49,814	1,652,379
Sino Biopharmaceutical, Ltd.	523,900	675,975	Flutter Entertainment PLC	6,331	725,533
Sino Land Company, Ltd.	63,000	94,557	James Hardie Industries PLC, CHESSE Depository Interest	12,194	239,097
SJM Holdings, Ltd.	41,000	41,817	Kerry Group PLC, Class A	12,848	1,647,552
SSY Group, Ltd.	114,000	89,692	Kingspan Group PLC	12,299	661,684
Sun Art Retail Group, Ltd.	177,700	201,040	Smurfit Kappa Group PLC	18,288	648,731
Sun Hung Kai Properties, Ltd.	32,500	473,476			9,768,121
Swire Pacific, Ltd., Class A	10,000	90,289	<b>Isle of Man - 0.0%</b>		
Swire Properties, Ltd.	23,800	74,107	GVC Holdings PLC	31,976	352,077
Techtronic Industries Company, Ltd.	28,000	210,444	<b>Israel - 0.3%</b>		
The Bank of East Asia, Ltd.	24,000	54,140	Azrieli Group, Ltd.	3,389	264,349
The Wharf Holdings, Ltd.	25,000	60,532	Bank Hapoalim BM	86,207	695,210
Towngas China Company, Ltd. (A)	72,000	50,884	Bank Leumi Le-Israel BM	112,740	817,071
Vitasoy International Holdings, Ltd.	14,000	53,816	Check Point Software Technologies, Ltd. (A)	9,000	1,060,920
WH Group, Ltd. (B)	195,500	200,756	CyberArk Software, Ltd. (A)	2,800	343,140
Wharf Real Estate Investment Company, Ltd.	25,000	138,828	Israel Chemicals, Ltd.	55,113	258,262
Wheelock & Company, Ltd.	17,000	105,697	Israel Discount Bank, Ltd., Class A	90,713	417,219
Yue Yuen Industrial Holdings, Ltd.	14,000	41,405	Mizrahi Tefahot Bank, Ltd.	11,161	298,195
Yuexiu Property Company, Ltd.	524,000	111,853	Nice, Ltd. (A)	4,625	700,488
		25,573,109	Teva Pharmaceutical Industries, Ltd. (A)	8,996	93,494

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Israel (continued)</b>		
Teva Pharmaceutical Industries, Ltd., ADR (A)	71,100	\$ 740,862
Wix.com, Ltd. (A)	3,500	423,115
		6,112,325
<b>Italy - 2.0%</b>		
Assicurazioni Generali SpA	128,257	2,615,662
Atlantia SpA	56,943	1,260,926

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Japan (continued)</b>		
Daifuku Company, Ltd.	9,800	\$ 570,802
Dai-ichi Life Holdings, Inc.	105,500	1,701,313
Daiichi Sankyo Company, Ltd.	54,600	3,425,917
Daikin Industries, Ltd.	24,000	3,457,469
Daito Trust Construction Company, Ltd.	6,900	845,461
Daiwa House Industry Company, Ltd.	54,600	1,671,597

Davide Campari-Milano SpA	66,142	603,439	Daiwa House REIT Investment Corp.	176	481,319
Enel SpA	935,510	7,070,631	Daiwa Securities Group, Inc.	147,000	745,778
Eni SpA	291,714	4,395,467	Denso Corp.	41,700	1,863,546
Ferrari NV	14,035	2,368,765	Dentsu, Inc.	20,800	755,245
FinecoBank Banca Fineco SpA	69,696	862,674	Disco Corp.	2,600	562,061
Intesa Sanpaolo SpA	1,709,694	4,325,871	East Japan Railway Company	29,400	2,705,647
Leonardo SpA	46,627	544,402	Eisai Company, Ltd.	24,300	1,801,673
Mediobanca Banca di Credito Finanziario SpA	70,476	786,942	Electric Power Development Company, Ltd.	14,000	335,817
Moncler SpA	20,752	908,379	FamilyMart Company, Ltd.	24,400	575,256
Pirelli & C. SpA (B)	45,637	258,411	FANUC Corp.	18,700	3,570,627
Poste Italiane SpA (B)	62,330	726,590	Fast Retailing Company, Ltd.	5,600	3,414,056
Prysmian SpA	27,727	631,366	Fuji Electric Company, Ltd.	12,300	378,879
Recordati SpA	11,914	499,434	FUJIFILM Holdings Corp.	34,700	1,640,801
Snam SpA	232,194	1,153,628	Fujitsu, Ltd.	18,900	1,719,777
Telecom Italia SpA (A)	1,032,708	645,847	Fukuoka Financial Group, Inc.	16,700	318,449
Telecom Italia SpA	707,826	435,510	GMO Payment Gateway, Inc.	3,900	276,714
Terna Rete Elettrica Nazionale SpA	159,630	1,024,493	Hakuhodo DY Holdings, Inc.	22,300	360,816
UniCredit SpA	231,370	3,193,678	Hamamatsu Photonics KK	13,400	543,655
		34,312,115	Hankyu Hanshin Holdings, Inc.	21,900	941,413
<b>Japan - 19.7%</b>			Hikari Tsushin, Inc.	2,000	466,770
ABC-Mart, Inc.	3,100	206,606	Hino Motors, Ltd.	27,900	273,150
Acom Company, Ltd.	38,200	158,636	Hirose Electric Company, Ltd.	3,100	382,023
Advantest Corp.	19,200	940,442	Hisamitsu Pharmaceutical Company, Inc.	5,000	245,518
Aeon Company, Ltd.	62,800	1,282,900	Hitachi Chemical Company, Ltd.	10,100	363,614
AEON Financial Service Company, Ltd.	10,900	164,884	Hitachi Construction Machinery Company, Ltd.	10,500	277,109
Aeon Mall Company, Ltd.	9,600	154,439	Hitachi High-Technologies Corp.	6,700	437,639
AGC, Inc.	17,600	643,594	Hitachi Metals, Ltd.	20,600	288,598
Air Water, Inc.	14,400	231,489	Hitachi, Ltd.	93,200	3,670,592
Aisin Seiki Company, Ltd.	15,600	590,514	Honda Motor Company, Ltd.	157,200	4,418,818
Ajinomoto Company, Inc.	42,100	702,000	Hoshizaki Corp.	5,200	455,007
Alfresa Holdings Corp.	18,100	374,274	Hoya Corp.	36,700	3,353,054
Alps Alpine Company, Ltd.	20,100	453,210	Hulic Company, Ltd.	28,700	322,822
Amada Holdings Company, Ltd.	32,100	358,141	Idemitsu Kosan Company, Ltd.	18,897	515,842
ANA Holdings, Inc.	11,000	374,782	IHI Corp.	14,200	331,576
Aozora Bank, Ltd.	11,100	282,927	Iida Group Holdings Company, Ltd.	14,200	252,561
Asahi Group Holdings, Ltd.	34,900	1,680,329	Inpex Corp.	98,300	959,929
Asahi Intecc Company, Ltd.	18,800	548,276	Isetan Mitsukoshi Holdings, Ltd.	32,000	285,083
Asahi Kasei Corp.	121,900	1,370,514	Isuzu Motors, Ltd.	53,200	622,955
Astellas Pharma, Inc.	181,900	3,105,537	ITOCHU Corp.	130,000	2,838,460
Bandai Namco Holdings, Inc.	19,200	1,164,604	Itochu Techno-Solutions Corp.	9,100	243,218
Benesse Holdings, Inc.	6,800	179,567	J Front Retailing Company, Ltd.	21,900	288,059
Bridgestone Corp.	54,900	2,195,857	Japan Airlines Company, Ltd.	11,000	341,945
Brother Industries, Ltd.	21,600	428,799	Japan Airport Terminal Company, Ltd.	4,900	254,956
Calbee, Inc.	7,600	244,851	Japan Exchange Group, Inc.	49,000	834,135
Canon, Inc.	96,300	2,667,664	Japan Post Bank Company, Ltd.	38,800	375,965
Casio Computer Company, Ltd.	18,700	356,945	Japan Post Holdings Company, Ltd.	156,300	1,470,234
Central Japan Railway Company	13,900	2,808,949	Japan Prime Realty Investment Corp.	72	327,656
Chubu Electric Power Company, Inc.	62,000	864,515	Japan Real Estate Investment Corp.	124	843,856
Chugai Pharmaceutical Company, Ltd.	21,600	1,886,910	Japan Retail Fund Investment Corp.	244	555,492
Coca-Cola Bottlers Japan Holdings, Inc.	11,800	283,667	Japan Tobacco, Inc.	115,600	2,633,920
Concordia Financial Group, Ltd.	102,200	415,004	JFE Holdings, Inc.	47,600	607,108
Credit Saison Company, Ltd.	15,300	253,099	JGC Holdings Corp.	21,300	309,948

CyberAgent, Inc.	9,700	335,185	JSR Corp.	18,600	329,528
Dai Nippon Printing Company, Ltd.	23,400	626,383	JTEKT Corp.	20,100	250,042
Daicel Corp.	24,100	237,095	JXTG Holdings, Inc.	309,900	1,377,682
			Kajima Corp.	43,600	575,454

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Japan (continued)</b>		
Kakaku.com, Inc.	12,900	\$ 311,621
Kamigumi Company, Ltd.	10,200	226,255
Kaneka Corp.	4,700	152,319
Kansai Paint Company, Ltd.	17,100	431,373
Kao Corp.	47,000	3,700,392
Kawasaki Heavy Industries, Ltd.	13,700	307,958
KDDI Corp.	170,000	4,884,249
Keihan Holdings Company, Ltd.	9,100	445,128
Keikyu Corp.	21,000	432,374
Keio Corp.	9,800	629,075
Keisei Electric Railway Company, Ltd.	12,300	507,466
Keyence Corp.	17,600	6,026,220
Kikkoman Corp.	14,000	704,307
Kintetsu Group Holdings Company, Ltd.	16,300	922,511
Kirin Holdings Company, Ltd.	79,200	1,754,349
Kobayashi Pharmaceutical Company, Ltd.	4,700	386,002
Kobe Steel, Ltd.	30,200	154,342
Koito Manufacturing Company, Ltd.	10,100	520,976
Komatsu, Ltd.	89,200	2,096,840
Konami Holdings Corp.	8,800	387,697
Konica Minolta, Inc.	43,600	285,947
Kose Corp.	3,200	510,194
Kubota Corp.	101,000	1,559,424
Kuraray Company, Ltd.	31,000	375,111
Kurita Water Industries, Ltd.	9,500	265,842
Kyocera Corp.	31,000	2,112,122
Kyowa Kirin Company, Ltd.	23,300	494,909
Kyushu Electric Power Company, Inc.	36,000	317,045
Kyushu Railway Company	15,300	521,311
Lawson, Inc.	4,700	256,263
LINE Corp. (A)	5,700	268,427
Lion Corp.	21,400	431,537
LIXIL Group Corp.	25,600	432,790

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Japan (continued)</b>		
Mizuho Financial Group, Inc.	2,321,300	\$ 3,594,466
MonotaRO Company, Ltd.	12,100	340,803
MS&AD Insurance Group Holdings, Inc.	47,000	1,521,496
Murata Manufacturing Company, Ltd.	55,300	3,207,914
Nabtesco Corp.	10,900	335,081
Nagoya Railroad Company, Ltd.	17,600	561,197
NEC Corp.	23,800	952,275
Nexon Company, Ltd. (A)	47,400	647,557
NGK Insulators, Ltd.	25,300	417,206
NGK Spark Plug Company, Ltd.	15,000	300,517
NH Foods, Ltd.	7,800	327,274
Nidec Corp.	21,500	3,182,251
Nikon Corp.	30,900	424,278
Nintendo Company, Ltd.	10,800	4,182,145
Nippon Building Fund, Inc.	127	952,853
Nippon Electric Glass Company, Ltd.	7,700	163,395
Nippon Express Company, Ltd.	7,500	475,999
Nippon Paint Holdings Company, Ltd.	14,200	757,966
Nippon Prologis REIT, Inc.	186	498,934
Nippon Steel Corp.	78,000	1,145,013
Nippon Telegraph & Telephone Corp.	62,000	3,132,185
Nippon Yusen KK	14,700	252,478
Nissan Chemical Corp.	12,100	479,620
Nissan Motor Company, Ltd.	223,400	1,379,499
Nisshin Seifun Group, Inc.	18,900	355,322
Nissin Foods Holdings Company, Ltd.	6,100	457,403
Nitori Holdings Company, Ltd.	7,700	1,207,545
Nitto Denko Corp.	15,300	858,929
Nomura Holdings, Inc.	319,800	1,639,131
Nomura Real Estate Holdings, Inc.	12,000	290,283
Nomura Real Estate Master Fund, Inc.	387	706,163
Nomura Research Institute, Ltd.	32,600	688,139
NSK, Ltd.	34,800	336,685
NTT Data Corp.	60,500	825,322

M3, Inc.	42,500	1,169,692	NTT DOCOMO, Inc.	128,300	3,522,659
Makita Corp.	21,600	715,153	Obayashi Corp.	62,900	667,085
Marubeni Corp.	151,800	1,122,596	Obic Company, Ltd.	6,200	823,645
Marui Group Company, Ltd.	18,200	438,407	Odakyu Electric Railway Company, Ltd.	28,000	688,894
Maruichi Steel Tube, Ltd.	5,200	149,763	Oji Holdings Corp.	83,200	475,568
Mazda Motor Corp.	54,500	483,623	Olympus Corp.	112,200	1,666,347
McDonald's Holdings Company Japan, Ltd.	6,200	306,630	Omron Corp.	18,600	1,093,352
Mebuki Financial Group, Inc.	84,500	218,702	Ono Pharmaceutical Company, Ltd.	36,500	819,342
Medipal Holdings Corp.	17,600	377,904	Oracle Corp. Japan	3,600	331,510
MEIJI Holdings Company, Ltd.	11,000	748,119	Oriental Land Company, Ltd.	19,200	2,657,731
Mercari, Inc. (A)	7,200	158,940	ORIX Corp.	128,100	2,099,833
MINEBEA MITSUMI, Inc.	35,100	681,070	Osaka Gas Company, Ltd.	35,800	671,181
MISUMI Group, Inc.	27,400	679,502	Otsuka Corp.	10,000	400,952
Mitsubishi Chemical Holdings Corp.	124,000	920,232	Otsuka Holdings Company, Ltd.	37,600	1,641,180
Mitsubishi Corp.	130,500	3,420,585	Pan Pacific International Holdings Corp.	42,400	688,073
Mitsubishi Electric Corp.	176,200	2,435,819	Panasonic Corp.	212,900	2,008,779
Mitsubishi Estate Company, Ltd.	113,700	2,085,323	Park24 Company, Ltd.	11,100	268,766
Mitsubishi Gas Chemical Company, Inc.	15,700	245,733	PeptiDream, Inc. (A)	8,900	409,463
Mitsubishi Heavy Industries, Ltd.	30,800	1,179,358	Persol Holdings Company, Ltd.	17,200	316,648
Mitsubishi Materials Corp.	10,600	283,446	Pigeon Corp.	11,100	516,515
Mitsubishi Motors Corp.	64,300	288,127	Pola Orbis Holdings, Inc.	8,800	217,166
Mitsubishi Tanabe Pharma Corp.	21,400	391,855	Rakuten, Inc.	82,700	718,537
Mitsubishi UFJ Financial Group, Inc.	1,184,800	6,280,377	Recruit Holdings Company, Ltd.	130,700	4,737,663
Mitsubishi UFJ Lease & Finance Company, Ltd.	39,600	254,677	Renesas Electronics Corp. (A)	73,400	478,800
Mitsui & Company, Ltd.	159,900	2,836,188	Resona Holdings, Inc.	201,600	855,586
Mitsui Chemicals, Inc.	17,900	429,245	Ricoh Company, Ltd.	64,400	663,716
Mitsui Fudosan Company, Ltd.	85,800	2,136,448	Rinnai Corp.	3,200	245,836
Mitsui OSK Lines, Ltd.	11,100	291,270	Rohm Company, Ltd.	9,000	757,630
			Ryohin Keikaku Company, Ltd.	22,900	521,951
			Sankyo Company, Ltd.	4,000	135,361

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Japan (continued)</b>		
Santen Pharmaceutical Company, Ltd.	34,600	\$ 648,522
SBI Holdings, Inc.	22,800	473,901
Secom Company, Ltd.	20,100	1,706,983
Sega Sammy Holdings, Inc.	16,500	238,288
Seibu Holdings, Inc.	18,900	333,388
Seiko Epson Corp.	26,900	409,862
Sekisui Chemical Company, Ltd.	35,100	611,629

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Japan (continued)</b>		
The Shizuoka Bank, Ltd.	43,700	\$ 332,857
The Yokohama Rubber Company, Ltd.	11,400	235,010
THK Company, Ltd.	11,700	329,054
Tobu Railway Company, Ltd.	18,100	662,949
Toho Company, Ltd.	10,800	438,929
Toho Gas Company, Ltd.	7,000	264,446
Tohoku Electric Power Company, Inc.	40,900	405,605

Sekisui House, Ltd.	60,000	1,297,600	Tokio Marine Holdings, Inc.	62,300	3,389,386
Seven & i Holdings Company, Ltd.	72,500	2,705,434	Tokyo Century Corp.	4,200	224,291
Seven Bank, Ltd.	54,400	168,603	Tokyo Electric Power Company Holdings, Inc. (A)	147,400	646,633
SG Holdings Company, Ltd.	13,700	328,932	Tokyo Electron, Ltd.	15,100	3,123,530
Sharp Corp.	20,700	312,896	Tokyo Gas Company, Ltd.	36,700	886,481
Shimadzu Corp.	21,400	644,974	Tokyu Corp.	47,800	943,804
Shimamura Company, Ltd.	2,100	168,503	Tokyu Fudosan Holdings Corp.	58,600	402,485
Shimano, Inc.	7,100	1,149,183	Toppan Printing Company, Ltd.	27,000	537,632
Shimizu Corp.	57,100	547,264	Toray Industries, Inc.	133,800	885,686
Shin-Etsu Chemical Company, Ltd.	35,000	3,762,117	Toshiba Corp.	49,600	1,781,627
Shinsei Bank, Ltd.	18,700	296,213	Tosoh Corp.	25,300	377,029
Shionogi & Company, Ltd.	25,900	1,524,594	TOTO, Ltd.	13,600	595,613
Shiseido Company, Ltd.	38,500	2,783,368	Toyo Seikan Group Holdings, Ltd.	13,600	237,181
Showa Denko KK	13,200	352,815	Toyo Suisan Kaisha, Ltd.	8,400	362,488
SMC Corp.	5,500	2,495,624	Toyoda Gosei Company, Ltd.	6,200	144,955
Softbank Corp.	160,600	2,181,634	Toyota Industries Corp.	14,100	829,055
SoftBank Group Corp.	158,900	6,181,596	Toyota Motor Corp.	219,800	15,376,920
Sohgo Security Services Company, Ltd.	6,800	353,787	Toyota Tsusho Corp.	20,600	720,575
Sompo Holdings, Inc.	33,000	1,301,924	Trend Micro, Inc.	12,100	653,829
Sony Corp.	122,400	7,767,248	Tsuruha Holdings, Inc.	3,500	417,767
Sony Financial Holdings, Inc.	15,500	359,930	Unicharm Corp.	38,800	1,271,811
Stanley Electric Company, Ltd.	12,500	346,340	United Urban Investment Corp.	272	529,132
Subaru Corp.	59,200	1,551,510	USS Company, Ltd.	20,900	405,821
SUMCO Corp.	24,000	371,692	Welcia Holdings Company, Ltd.	4,500	276,244
Sumitomo Chemical Company, Ltd.	144,900	654,283	West Japan Railway Company	15,700	1,383,344
Sumitomo Corp.	114,900	1,733,002	Yakult Honsha Company, Ltd.	11,500	675,158
Sumitomo Dainippon Pharma Company, Ltd.	15,300	289,047	Yamada Denki Company, Ltd.	58,600	292,532
Sumitomo Electric Industries, Ltd.	72,500	1,083,434	Yamaha Corp.	13,800	761,000
Sumitomo Heavy Industries, Ltd.	10,800	309,083	Yamaha Motor Company, Ltd.	26,900	562,507
Sumitomo Metal Mining Company, Ltd.	22,400	679,467	Yamato Holdings Company, Ltd.	29,700	508,482
Sumitomo Mitsui Financial Group, Inc.	128,000	4,686,893	Yamazaki Baking Company, Ltd.	11,500	211,011
Sumitomo Mitsui Trust Holdings, Inc.	31,900	1,222,448	Yaskawa Electric Corp.	23,200	853,459
Sumitomo Realty & Development Company, Ltd.	31,900	1,112,287	Yokogawa Electric Corp.	21,900	401,411
Sumitomo Rubber Industries, Ltd.	16,200	205,980	Z Holdings Corp.	255,600	880,981
Sundrug Company, Ltd.	6,800	239,030	ZOZO, Inc.	19,500	388,180
Suntory Beverage & Food, Ltd.	13,300	577,538			344,184,106
Suzuken Company, Ltd.	6,900	301,966	<b>Luxembourg - 0.2%</b>		
Suzuki Motor Corp.	35,400	1,571,678	ArcelorMittal	72,851	1,244,042
Sysmex Corp.	16,100	1,116,426	Aroundtown SA	81,251	705,062
T&D Holdings, Inc.	55,300	651,429	Eurofins Scientific SE	1,250	656,350
Taiheiyo Cement Corp.	11,700	338,597	Millicom International Cellular SA	6,141	274,719
Taisei Corp.	19,500	765,587	Reinet Investments SCA	12,176	236,625
Taisho Pharmaceutical Holdings Company, Ltd.	3,400	251,134	RTL Group SA	3,443	164,244
Taiyo Nippon Sanso Corp.	12,600	280,804	SES SA	39,531	524,590
Takeda Pharmaceutical Company, Ltd.	143,096	5,830,172	Tenaris SA	53,925	573,131
TDK Corp.	12,500	1,314,601			4,378,763
Teijin, Ltd.	17,100	321,849	<b>Macau - 0.0%</b>		
Terumo Corp.	62,100	2,181,189	MGM China Holdings, Ltd.	19,600	29,154
The Bank of Kyoto, Ltd.	5,100	210,555	Sands China, Ltd.	49,600	234,881
The Chiba Bank, Ltd.	52,600	300,104	Wynn Macau, Ltd.	32,400	71,255
					335,290
			<b>Malaysia - 0.1%</b>		
			AirAsia Group BHD	35,800	14,495

The Chugoku Electric Power Company, Inc.	25,900	342,392	Alliance Bank Malaysia BHD	17,900	11,571
The Kansai Electric Power Company, Inc.	67,900	774,640	AMMB Holdings BHD	32,100	30,668

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Malaysia (continued)</b>		
Axiata Group BHD	51,600	\$ 51,028
British American Tobacco Malaysia BHD	2,800	10,931
CIMB Group Holdings BHD	90,000	111,609
Dialog Group BHD	61,500	49,325
DiGi.Com BHD	55,600	59,672
Fraser & Neave Holdings BHD	2,500	20,803
Gamuda BHD	33,500	30,150
Genting BHD	41,900	58,477
Genting Malaysia BHD	56,400	42,391
Genting Plantations BHD	3,300	8,160
HAP Seng Consolidated BHD	10,500	24,892
Hartalega Holdings BHD	27,200	34,197
Hong Leong Bank BHD	11,300	45,719
Hong Leong Financial Group BHD	4,100	16,003
IHH Healthcare BHD	39,200	50,419
IJM Corp. BHD	51,800	25,932
IOI Corp. BHD	32,000	33,335
Kuala Lumpur Kepong BHD	7,300	40,798
Malayan Banking BHD	69,600	142,141
Malaysia Airports Holdings BHD	17,900	35,555
Maxis BHD	41,500	51,515
MISC BHD	22,200	43,337
Nestle Malaysia BHD	1,200	41,184
Petronas Chemicals Group BHD	46,700	78,959
Petronas Dagangan BHD	3,300	18,091
Petronas Gas BHD	11,500	42,677
PPB Group BHD	9,800	42,722
Press Metal Aluminium Holdings BHD	22,100	24,880
Public Bank BHD	55,400	260,233
QL Resources BHD	9,900	17,191
RHB Bank BHD	29,500	39,974
Sime Darby BHD	54,300	29,253
Sime Darby Plantation BHD	37,300	44,478
Sime Darby Property BHD	46,200	8,688
SP Setia BHD Group	32,900	10,239

#### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Mexico (continued)</b>		
Grupo Financiero Banorte SAB de CV, Series O	188,700	\$ 997,659
Grupo Financiero Inbursa SAB de CV, Series O	168,800	199,309
Grupo Mexico SAB de CV, Series B	255,300	668,887
Grupo Televisa SAB	175,000	383,127
Industrias Penoles SAB de CV	9,920	105,649
Infraestructura Energetica Nova SAB de CV	38,900	158,621
Kimberly-Clark de Mexico SAB de CV, Class A (A)	109,800	208,801
Megacable Holdings SAB de CV	21,500	76,465
Orbia Advance Corp. SAB de CV	77,235	167,670
Promotora y Operadora de Infraestructura SAB de CV	16,520	157,658
Wal-Mart de Mexico SAB de CV	379,800	1,044,947
		9,903,369
<b>Netherlands - 2.9%</b>		
ABN AMRO Bank NV (B)	33,882	577,458
Adyen NV (A)(B)	829	635,724
Aegon NV	151,184	680,839
Akzo Nobel NV	18,211	1,743,941
ASML Holding NV	33,959	9,205,719
EXOR NV	12,539	956,905
Heineken Holding NV	9,227	884,256
Heineken NV	20,723	2,146,695
ING Groep NV	311,293	3,579,792
Koninklijke Ahold Delhaize NV	94,293	2,428,642
Koninklijke DSM NV	14,535	1,862,484
Koninklijke KPN NV	284,167	875,186
Koninklijke Philips NV	74,007	3,436,126
Koninklijke Vopak NV	5,489	292,641
NN Group NV	25,510	978,525
NXP Semiconductors NV	22,800	2,635,224
Prosus NV (A)	38,917	2,652,896
QIAGEN NV (A)	20,503	877,873

Telekom Malaysia BHD	21,800	19,625	Randstad NV	9,608	559,367
Tenaga Nasional BHD	57,900	182,449	Royal Dutch Shell PLC, A Shares	238,433	6,830,534
Top Glove Corp. BHD	27,100	29,196	Royal Dutch Shell PLC, B Shares	205,724	5,835,664
Westports Holdings BHD	14,200	14,174	Wolters Kluwer NV	22,320	1,603,069
YTL Corp. BHD	53,578	10,713			51,279,560
		1,957,849	<b>New Zealand - 0.1%</b>		
<b>Mexico - 0.6%</b>			a2 Milk Company, Ltd. (A)	37,824	377,036
Alfa SAB de CV, Class A	220,500	172,367	Auckland International Airport, Ltd.	50,237	291,339
Alsea SAB de CV (A)	39,100	106,557	Fisher & Paykel Healthcare Corp., Ltd.	29,523	419,881
America Movil SAB de CV, Series L	2,446,300	1,876,049	Fletcher Building, Ltd.	44,006	147,904
Arca Continental SAB de CV	31,800	167,120	Meridian Energy, Ltd.	68,235	206,299
Cemex SAB de CV	1,107,248	409,579	Ryman Healthcare, Ltd.	20,666	200,346
Coca-Cola Femsa SAB de CV	38,300	221,474	Spark New Zealand, Ltd.	94,038	274,131
El Puerto de Liverpool SAB de CV, Series C1	13,600	67,255			1,916,936
Fibra Uno Administracion SA de CV	227,700	349,010	<b>Norway - 0.2%</b>		
Fomento Economico Mexicano SAB de CV	141,400	1,285,586	Aker BP ASA	3,472	99,465
Fresnillo PLC	11,769	87,925	DNB ASA	31,072	521,262
Gruma SAB de CV, Class B	15,085	152,087	Equinor ASA	32,252	594,569
Grupo Aeroportuario del Pacifico SAB de CV, B Shares	26,000	262,810	Gjensidige Forsikring ASA	7,738	145,525
Grupo Aeroportuario del Sureste SAB de CV, B Shares	15,140	259,304	Mowi ASA	14,071	348,961
Grupo Bimbo SAB de CV, Series A	119,200	203,838	Norsk Hydro ASA	43,184	152,678
Grupo Carso SAB de CV, Series A1	33,500	113,615	Orkla ASA	24,202	234,226
			Schibsted ASA, B Shares	3,132	80,700
			Telenor ASA	23,529	429,583
			Yara International ASA	5,822	219,328
					2,826,297

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Peru - 0.1%</b>		
Cia de Minas Buenaventura SAA, ADR	15,600	\$ 239,772
Credicorp, Ltd.	5,153	1,088,262
Southern Copper Corp.	6,700	254,801
		1,582,835
<b>Philippines - 0.2%</b>		
Aboitiz Equity Ventures, Inc.	131,070	126,243
Aboitiz Power Corp.	97,000	65,753
Alliance Global Group, Inc.	269,700	58,683
Altus San Nicolas Corp. (A)(C)	2,753	281
Ayala Corp.	18,670	296,187
Ayala Land, Inc.	487,880	436,746

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Russia - 0.0%</b>		
Evraz PLC	28,405	\$ 136,027
<b>Singapore - 0.8%</b>		
Ascendas Real Estate Investment Trust	199,000	433,471
BOC Aviation, Ltd. (B)	15,500	146,402
CapitaLand Commercial Trust	209,600	307,892
CapitaLand Mall Trust	206,000	379,399
CapitaLand, Ltd.	209,900	564,911
City Developments, Ltd.	37,000	279,936
ComfortDelGro Corp., Ltd.	175,200	301,244
DBS Group Holdings, Ltd.	145,100	2,677,817
Genting Singapore, Ltd.	491,900	332,677
Golden Agri-Resources, Ltd.	528,500	83,117

Bank of the Philippine Islands	58,350	98,686	Jardine Cycle & Carriage, Ltd.	8,100	181,694
BDO Unibank, Inc.	129,090	385,518	Keppel Corp., Ltd.	118,200	580,717
DMCI Holdings, Inc.	268,300	34,329	Oversea-Chinese Banking Corp., Ltd.	258,300	2,035,269
Globe Telecom, Inc.	2,175	83,025	SATS, Ltd.	53,800	195,875
GT Capital Holdings, Inc.	6,363	111,986	Sembcorp Industries, Ltd.	81,400	130,421
International Container Terminal Services, Inc.	66,360	161,419	Singapore Airlines, Ltd.	44,300	297,825
JG Summit Holdings, Inc.	190,820	288,778	Singapore Exchange, Ltd.	64,800	419,226
Jollibee Foods Corp.	28,480	107,571	Singapore Press Holdings, Ltd.	129,500	208,405
Manila Electric Company	14,520	91,113	Singapore Technologies Engineering, Ltd.	126,700	382,750
Megaworld Corp.	746,500	65,084	Singapore Telecommunications, Ltd.	659,260	1,629,124
Metro Pacific Investments Corp.	920,700	77,935	Suntec Real Estate Investment Trust	152,700	205,411
Metropolitan Bank & Trust Company	115,879	151,114	United Overseas Bank, Ltd.	102,000	1,924,848
PLDT, Inc.	5,595	118,766	UOL Group, Ltd.	38,200	216,757
Robinsons Land Corp.	134,100	69,174	Venture Corp., Ltd.	22,400	259,761
Security Bank Corp.	14,460	58,334	Wilmar International, Ltd.	157,300	470,633
SM Investments Corp.	15,950	332,947			
SM Prime Holdings, Inc.	668,900	513,190			
Universal Robina Corp.	58,330	172,333			
		3,905,195			14,645,582
<b>Poland - 0.2%</b>			<b>South Africa - 1.2%</b>		
Alior Bank SA (A)	4,773	35,922	Absa Group, Ltd.	59,733	599,866
Bank Millennium SA (A)	31,111	43,767	Anglo American Platinum, Ltd.	4,473	370,176
Bank Polska Kasa Opieki SA	8,794	235,161	AngloGold Ashanti, Ltd.	34,297	647,689
CCC SA	1,520	43,591	Aspen Pharmcare Holdings, Ltd. (A)	32,473	259,793
CD Projekt SA	3,520	235,975	Bid Corp., Ltd.	27,799	612,343
Cyfrowy Polsat SA	12,991	92,469	Capitec Bank Holdings, Ltd.	3,814	368,760
Dino Polska SA (A)(B)	2,546	87,771	Clicks Group, Ltd.	21,692	369,784
Grupa Lotos SA	4,734	110,927	Discovery, Ltd.	34,164	275,065
Jastrzebska Spolka Weglowa SA	3,167	16,908	Exxaro Resources, Ltd.	20,798	189,376
KGHM Polska Miedz SA (A)	7,297	167,513	FirstRand, Ltd.	280,813	1,198,621
LPP SA	68	151,130	Fortress REIT, Ltd., Class A	92,638	125,079
mBank SA (A)	760	72,230	Gold Fields, Ltd.	68,444	365,198
Orange Polska SA (A)	33,116	53,970	Growthpoint Properties, Ltd.	242,283	377,233
PGE Polska Grupa Energetyczna SA (A)	44,691	99,438	Investec PLC	37,594	213,071
Polski Koncern Naftowy ORLEN SA	15,629	370,694	Investec, Ltd.	23,830	136,643
Polskie Gornictwo Naftowe i Gazownictwo SA	89,378	105,391	Kumba Iron Ore, Ltd.	5,446	139,748
Powszechna Kasa Oszczednosci Bank Polski SA	45,472	419,360	Liberty Holdings, Ltd.	12,605	95,911
Powszechny Zaklad Ubezpieczen SA	33,673	332,883	Life Healthcare Group Holdings, Ltd.	114,662	193,128
Santander Bank Polska SA	1,851	129,861	Momentum Metropolitan Holdings	82,879	114,858
		2,804,961	Mr. Price Group, Ltd.	21,205	253,197
<b>Portugal - 0.1%</b>			MTN Group, Ltd.	141,169	889,325
EDP - Energias de Portugal SA	207,395	839,109	MultiChoice Group, Ltd. (A)	36,109	298,397
Galp Energia SGPS SA	40,113	652,370	Naspers, Ltd., N Shares	36,579	5,211,859
Jeronimo Martins SGPS SA	20,254	323,431	Nedbank Group, Ltd.	30,912	461,765
		1,814,910	Netcare, Ltd.	95,177	129,791
<b>Romania - 0.0%</b>			Old Mutual, Ltd.	414,401	524,377
NEPI Rockcastle PLC	31,341	265,446	Pick n Pay Stores, Ltd.	30,112	139,374
			PSG Group, Ltd.	12,503	199,442
			Rand Merchant Investment Holdings, Ltd.	71,495	147,277
			Redefine Properties, Ltd.	444,873	249,435
			Remgro, Ltd.	44,087	577,933
			RMB Holdings, Ltd.	64,556	355,468

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>South Africa (continued)</b>		
Sanlam, Ltd.	159,298	\$ 829,176
Sappi, Ltd.	44,508	120,995
Sasol, Ltd.	47,029	847,847
Shoprite Holdings, Ltd.	39,200	342,688
Standard Bank Group, Ltd.	107,845	1,217,591
Telkom SA SOC, Ltd.	22,874	73,142
The Bidvest Group, Ltd.	23,898	330,707
The Foschini Group, Ltd.	19,454	206,311
The SPAR Group, Ltd.	15,673	220,062
Tiger Brands, Ltd.	13,249	184,516
Truworths International, Ltd.	36,279	126,072
Vodacom Group, Ltd.	53,412	441,513
Woolworths Holdings, Ltd.	81,695	290,356
		21,320,958
<b>South Korea - 4.4%</b>		
Amorepacific Corp.	3,930	630,897
AMOREPACIFIC Group	3,551	244,576
BGF retail Company, Ltd.	944	134,476
BNK Financial Group, Inc.	33,648	198,669
Celltrion Healthcare Company, Ltd. (A)	6,163	257,504
Celltrion Pharm, Inc. (A)	1,891	56,880
Celltrion, Inc. (A)	10,955	1,616,310
Cheil Worldwide, Inc.	8,409	168,568
CJ CheilJedang Corp.	1,018	214,255
CJ Corp.	1,834	143,317
CJ ENM Company, Ltd.	1,313	169,650
CJ Logistics Corp. (A)	1,119	149,392
Daelim Industrial Company, Ltd.	3,454	262,806
Daewoo Engineering & Construction Company, Ltd. (A)	23,725	89,642
Daewoo Shipbuilding & Marine Engineering Company, Ltd. (A)	4,609	103,175
DB Insurance Company, Ltd.	6,393	302,164
Doosan Bobcat, Inc.	6,162	163,411
E-MART, Inc.	2,560	284,645
Fila Korea, Ltd.	5,977	261,534
GS Engineering & Construction Corp.	7,456	189,789
GS Holdings Corp.	6,213	252,080
GS Retail Company, Ltd.	3,269	105,670
Hana Financial Group, Inc.	36,718	1,113,306

## International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>South Korea (continued)</b>		
Hyundai Steel Company	9,914	\$ 267,078
Industrial Bank of Korea	31,926	317,822
Kakao Corp.	6,093	803,168
Kangwon Land, Inc.	14,394	358,035
KB Financial Group, Inc.	48,516	1,895,584
KCC Corp.	720	132,466
Kia Motors Corp.	32,186	1,179,696
Korea Aerospace Industries, Ltd.	8,930	282,269
Korea Electric Power Corp. (A)	31,403	741,691
Korea Gas Corp.	3,454	109,505
Korea Investment Holdings Company, Ltd.	5,180	315,336
Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	4,763	485,096
Korea Zinc Company, Ltd.	1,030	354,467
Korean Air Lines Company, Ltd.	5,833	122,479
KT&G Corp.	14,257	1,180,902
Kumho Petrochemical Company, Ltd.	2,275	141,131
LG Chem, Ltd.	5,606	1,458,227
LG Corp.	11,703	704,441
LG Display Company, Ltd. (A)	28,479	355,624
LG Electronics, Inc.	13,031	772,356
LG Household & Health Care, Ltd.	1,144	1,226,894
LG Innotek Company, Ltd.	1,747	180,972
LG Uplus Corp.	13,453	152,770
Lotte Chemical Corp.	2,108	393,648
Lotte Corp.	3,382	102,265
Lotte Shopping Company, Ltd.	1,388	156,117
Medy-Tox, Inc.	535	137,101
Meritz Securities Company, Ltd.	38,307	138,040
Mirae Asset Daewoo Company, Ltd.	48,901	300,169
NAVER Corp.	17,071	2,491,363
NCSOFT Corp.	2,006	838,263
Netmarble Corp. (A)(B)	3,137	234,395
NH Investment & Securities Company, Ltd.	17,582	185,010
OCI Company, Ltd.	2,358	123,804
Orange Life Insurance, Ltd. (B)	4,419	106,921
Orion Corp.	2,902	253,508
Otogi Corp.	154	72,764
Pan Ocean Company, Ltd. (A)	33,210	118,304

Hankook Tire & Technology Company, Ltd.	9,066	255,781	Pearl Abyss Corp. (A)	789	123,934
Hanmi Pharm Company, Ltd.	784	212,503	POSCO	9,614	1,871,571
Hanmi Science Company, Ltd.	1,611	53,223	POSCO Chemical Company, Ltd.	2,991	122,063
Hanon Systems	22,727	208,062	Posco International Corp.	6,198	95,886
Hanwha Life Insurance Company, Ltd.	12,752	24,766	S-1 Corp.	2,065	163,821
HDC Hyundai Development Co-Engineering & Construction, Series E	3,305	77,390	Samsung Biologics Company, Ltd. (A)(B)	2,022	675,141
Helixmith Company, Ltd. (A)	2,336	180,070	Samsung C&T Corp.	10,479	878,771
HLB, Inc. (A)	4,067	398,315	Samsung Card Company, Ltd.	3,535	111,180
Hotel Shilla Company, Ltd.	3,844	276,262	Samsung Electro-Mechanics Company, Ltd.	6,856	645,454
Hyundai Department Store Company, Ltd.	1,732	122,299	Samsung Electronics Company, Ltd.	581,795	24,871,087
Hyundai Engineering & Construction Company, Ltd.	9,580	333,343	Samsung Engineering Company, Ltd. (A)	19,281	307,614
Hyundai Glovis Company, Ltd.	2,305	293,999	Samsung Fire & Marine Insurance Company, Ltd.	3,863	761,396
Hyundai Heavy Industries Holdings Company, Ltd.	1,205	353,814	Samsung Heavy Industries Company, Ltd. (A)	53,954	318,606
Hyundai Marine & Fire Insurance Company, Ltd.	8,161	193,947	Samsung Life Insurance Company, Ltd.	8,909	541,066
Hyundai Mobis Company, Ltd.	8,140	1,690,210	Samsung SDI Company, Ltd.	6,719	1,317,712
Hyundai Motor Company	18,171	1,864,603	Samsung SDS Company, Ltd.	4,258	706,433
			Samsung Securities Company, Ltd.	7,796	238,876
			Shinhan Financial Group Company, Ltd.	54,953	2,029,879
			Shinsegae, Inc.	905	216,364

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>South Korea (continued)</b>		
SillaJen, Inc. (A)	7,323	\$ 90,188
SK Holdings Company, Ltd.	4,314	942,620
SK Hynix, Inc.	66,568	4,580,928
SK Innovation Company, Ltd.	6,756	839,662
SK Telecom Company, Ltd.	2,476	515,030
S-Oil Corp.	5,470	414,238
Woongjin Coway Company, Ltd.	6,309	478,974
Woori Financial Group, Inc.	58,429	579,923
Yuhan Corp.	1,093	200,136
		77,479,537
<b>Spain - 2.1%</b>		
ACS Actividades de Construcción y Servicios SA	23,177	900,956
Aena SME SA (B)	5,944	1,090,681

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Sweden (continued)</b>		
Swedish Match AB	16,016	\$ 767,154
Tele2 AB, B Shares	46,933	692,501
Telefonaktiebolaget LM Ericsson, B Shares	289,450	2,608,461
Telia Company AB	257,279	1,113,599
Volvo AB, B Shares	140,579	2,173,346
		33,181,283
<b>Switzerland - 6.8%</b>		
ABB, Ltd.	156,726	3,424,106
Adecco Group AG	13,434	831,569
Alcon, Inc. (A)	35,176	1,943,069
Baloise Holding AG	4,364	758,561
Barry Callebaut AG	184	370,023

Amadeus IT Group SA	38,686	3,078,037	Chocoladefabriken Lindt & Spruengli AG	9	767,912
Banco Bilbao Vizcaya Argentaria SA	589,575	3,097,274	Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	92	701,679
Banco de Sabadell SA	498,076	551,590	Cie Financiere Rlichemont SA	44,397	3,365,920
Banco Santander SA	1,486,287	5,788,936	Clariant AG (A)	16,667	344,520
Bankia SA	108,555	209,977	Coca-Cola HBC AG	10,904	363,592
Bankinter SA	58,716	410,079	Credit Suisse Group AG (A)	218,072	2,854,687
CaixaBank SA	317,245	934,804	Dufry AG (A)	3,627	354,076
Cellnex Telecom SA (A)(B)	22,073	947,662	EMS-Chemie Holding AG	690	428,353
Enagas SA	19,856	494,312	Geberit AG	3,131	1,681,011
Endesa SA	27,838	756,766	Givaudan SA	781	2,296,891
Ferrovial SA	43,254	1,283,359	Glencore PLC (A)	602,461	1,901,701
Grifols SA	26,260	896,987	Julius Baer Group, Ltd. (A)	19,094	899,412
Iberdrola SA	530,478	5,218,679	Kuehne + Nagel International AG	4,561	741,312
Industria de Diseno Textil SA	96,294	2,996,132	LafargeHolcim, Ltd. (A)	41,306	2,128,856
Mapfre SA	107,610	303,297	Lonza Group AG (A)	6,331	2,150,696
Naturgy Energy Group SA	26,344	684,387	Nestle SA	260,315	27,032,355
Red Electrica Corp. SA	37,687	735,232	Novartis AG	182,619	16,834,901
Repsol SA	128,098	2,016,671	Pargesa Holding SA, Bearer Shares	3,201	252,636
Siemens Gamesa Renewable Energy SA	21,155	337,345	Partners Group Holding AG	1,583	1,335,012
Telefonica SA	412,963	3,158,353	Roche Holding AG	59,715	18,409,715
		35,891,516	Schindler Holding AG	1,701	406,687
<b>Sweden - 1.9%</b>			Schindler Holding AG, Participation Certificates	3,460	862,239
Alfa Laval AB	29,703	730,761	SGS SA	450	1,171,394
Assa Abloy AB, B Shares	94,547	2,245,113	Sika AG	10,848	1,887,619
Atlas Copco AB, A Shares	63,332	2,320,634	Sonova Holding AG	4,700	1,073,890
Atlas Copco AB, B Shares	36,965	1,195,065	STMicroelectronics NV	74,408	1,818,923
Boliden AB	25,808	665,658	Straumann Holding AG	876	843,106
Electrolux AB, B Shares	21,325	548,025	Swiss Life Holding AG	2,993	1,484,395
Epiroc AB, A Shares	61,568	718,781	Swiss Prime Site AG (A)	6,272	662,125
Epiroc AB, B Shares	37,501	421,558	Swiss Re AG	26,288	2,847,415
Essity AB, B Shares	57,115	1,795,216	Swisscom AG	2,169	1,122,915
Hennes & Mauritz AB, B Shares	75,746	1,462,028	Temenos AG (A)	5,520	837,496
Hexagon AB, B Shares	24,567	1,388,898	The Swatch Group AG	4,961	264,315
Husqvarna AB, B Shares	39,346	307,246	The Swatch Group AG, Bearer Shares	2,449	684,322
ICA Gruppen AB	8,436	368,225	UBS Group AG (A)	328,765	3,980,618
Industrivarden AB, C Shares	15,893	368,599	Vifor Pharma AG	3,871	690,356
Investor AB, B Shares	43,055	2,275,861	Zurich Insurance Group AG	12,984	5,095,639
Kinnevik AB (A)	22,780	0			117,906,019
Kinnevik AB, B Shares	22,780	521,666	<b>Taiwan - 2.8%</b>		
L E Lundbergforetagen AB, B Shares	7,253	287,504	Acer, Inc.	211,000	124,107
Lundin Petroleum AB	17,614	542,968	Advantech Company, Ltd.	25,699	252,264
Sandvik AB	106,713	1,940,621	Airtac International Group	9,000	129,976
Securitas AB, B Shares	29,295	485,785	ASE Technology Holding Company, Ltd.	252,000	623,900
Skandinaviska Enskilda Banken AB, A Shares	152,997	1,311,994	Asia Cement Corp.	161,000	239,787
Skanska AB, B Shares	32,116	709,638	Asustek Computer, Inc.	52,000	392,681
SKF AB, B Shares	36,057	688,658	AU Optronics Corp.	622,000	179,420
Svenska Handelsbanken AB, A Shares	144,043	1,413,904	Catcher Technology Company, Ltd.	48,000	392,476
Swedbank AB, A Shares	85,382	1,111,816			

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Taiwan (continued)</b>		
Cathay Financial Holding Company, Ltd.	606,000	\$ 828,108
Chailease Holding Company, Ltd.	87,954	393,052
Chang Hwa Commercial Bank, Ltd.	384,854	289,440
Cheng Shin Rubber Industry Company, Ltd.	137,000	186,740
Chicony Electronics Company, Ltd.	42,526	123,364
China Airlines, Ltd.	167,000	49,310
China Development Financial Holding Corp.	1,040,000	330,906
China Life Insurance Company, Ltd. (A)	227,990	189,413
China Steel Corp.	844,000	647,154
Chunghwa Telecom Company, Ltd.	274,000	1,014,953
Compal Electronics, Inc.	301,000	185,465
CTBC Financial Holding Company, Ltd.	1,346,000	963,753
Delta Electronics, Inc.	142,000	651,444
E.Sun Financial Holding Company, Ltd.	753,776	668,209
Eclat Textile Company, Ltd.	14,340	186,082
Eva Airways Corp.	162,465	74,537
Evergreen Marine Corp. Taiwan, Ltd. (A)	167,900	68,233
Far Eastern New Century Corp.	235,000	229,148
Far EasTone Telecommunications Company, Ltd.	111,000	265,967
Feng TAY Enterprise Company, Ltd.	24,100	150,852
First Financial Holding Company, Ltd.	709,494	533,643
Formosa Chemicals & Fibre Corp.	257,000	735,290
Formosa Petrochemical Corp.	89,000	280,095
Formosa Plastics Corp.	327,000	1,041,797
Formosa Taffeta Company, Ltd.	57,000	63,517
Foxconn Technology Company, Ltd.	67,000	146,252
Fubon Financial Holding Company, Ltd.	520,000	763,400
Giant Manufacturing Company, Ltd.	22,000	159,311
Globalwafers Company, Ltd.	16,000	173,362
Highwealth Construction Corp.	51,000	77,777
Hiwin Technologies Corp.	16,696	142,489
Hon Hai Precision Industry Company, Ltd.	912,800	2,646,791
Hotai Motor Company, Ltd.	22,000	430,857
Hua Nan Financial Holdings Company, Ltd.	557,048	396,167

## International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Taiwan (continued)</b>		
Standard Foods Corp.	27,600	\$ 59,971
Synnex Technology International Corp.	95,000	114,726
TaiMed Biologics, Inc. (A)	12,000	53,687
Taishin Financial Holding Company, Ltd.	674,437	314,995
Taiwan Business Bank	363,516	148,936
Taiwan Cement Corp.	359,936	488,327
Taiwan Cooperative Financial Holding Company, Ltd.	644,680	438,424
Taiwan High Speed Rail Corp.	141,000	166,163
Taiwan Mobile Company, Ltd.	114,000	427,860
Taiwan Semiconductor Manufacturing Company, Ltd.	1,796,816	18,073,571
Tatung Company, Ltd. (A)	137,000	99,044
The Shanghai Commercial & Savings Bank, Ltd.	241,000	393,995
Uni-President Enterprises Corp.	351,000	833,804
United Microelectronics Corp.	834,000	408,875
Vanguard International Semiconductor Corp.	65,000	152,424
Walsin Technology Corp.	23,000	128,113
Win Semiconductors Corp.	25,000	247,657
Winbond Electronics Corp.	218,000	124,659
Wistron Corp.	207,040	187,951
WPG Holdings, Ltd.	107,960	134,235
Yageo Corp.	18,556	200,697
Yuanta Financial Holding Company, Ltd.	729,000	471,905
Zhen Ding Technology Holding, Ltd.	40,000	176,187
		49,361,272
<b>Thailand - 0.5%</b>		
Advanced Info Service PCL	63,300	444,011
Airports of Thailand PCL, Foreign Quota Shares	228,600	571,001
Airports of Thailand PCL, NVDR	2,700	6,744
Bangkok Bank PCL, Foreign Quota Shares	25,200	148,011
Bangkok Bank PCL, NVDR	800	4,672
Bangkok Dusit Medical Services PCL, Foreign Quota Shares	493,900	402,017
Bangkok Dusit Medical Services PCL, NVDR	17,200	14,000
Bangkok Expressway & Metro PCL, Foreign Quota Shares	392,000	140,069

Innolux Corp.	621,000	160,719	Bangkok Expressway & Metro PCL, NVDR	15,800	5,646
Inventec Corp.	180,000	134,811	Banpu PCL, Foreign Quota Shares	238,500	91,538
Largan Precision Company, Ltd.	7,000	1,017,239	Berli Jucker PCL, Foreign Quota Shares	59,300	89,269
Lite-On Technology Corp.	154,000	244,290	BTS Group Holdings PCL, Foreign Quota Shares	336,200	152,459
MediaTek, Inc.	110,000	1,519,718	BTS Group Holdings PCL, NVDR	18,200	8,253
Mega Financial Holding Company, Ltd.	786,000	780,557	Bumrungrad Hospital PCL, Foreign Quota Shares	10,300	46,182
Micro-Star International Company, Ltd.	50,000	137,446	Bumrungrad Hospital PCL, NVDR	2,000	8,967
Nan Ya Plastics Corp.	376,000	880,995	Central Pattana PCL, Foreign Quota Shares	111,182	229,084
Nanya Technology Corp.	90,000	210,144	Central Pattana PCL, NVDR	11,900	24,519
Nien Made Enterprise Company, Ltd.	12,000	110,065	Charoen Pokphand Foods PCL, Foreign Quota Shares	208,300	189,515
Novatek Microelectronics Corp.	42,000	307,694	Charoen Pokphand Foods PCL, NVDR	11,000	10,008
Pegatron Corp.	144,000	320,918	CP ALL PCL, Foreign Quota Shares	306,200	770,431
Phison Electronics Corp.	11,000	102,502	CP ALL PCL, NVDR	5,100	12,832
Pou Chen Corp.	162,000	210,994	Electricity Generating PCL, Foreign Quota Shares	22,500	256,908
Powertech Technology, Inc.	53,000	163,419	Energy Absolute PCL	91,800	129,904
President Chain Store Corp.	41,000	410,390			
Quanta Computer, Inc.	197,000	389,344			
Realtek Semiconductor Corp.	35,000	264,331			
Ruentex Development Company, Ltd. (A)	40,560	60,595			
Ruentex Industries, Ltd. (A)	26,000	64,484			
Shin Kong Financial Holding Company, Ltd. (A)	856,988	282,217			
SinoPac Financial Holdings Company, Ltd.	761,601	320,705			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Thailand (continued)</b>		
Gulf Energy Development PCL, Foreign Quota Shares	56,000	\$ 309,441
Gulf Energy Development PCL, NVDR	1,100	6,079
Home Product Center PCL, Foreign Quota Shares	300,200	163,802
Home Product Center PCL, NVDR	10,800	5,893
Indorama Ventures PCL, Foreign Quota Shares	53,000	60,931
Intouch Holdings PCL, Foreign Quota Shares	119,900	233,085
IRPC PCL	582,700	67,454
IRPC PCL, NVDR	15,400	1,783

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Turkey (continued)</b>		
Eregli Demir ve Celik Fabrikalari TAS	51,636	\$ 71,928
Ford Otomotiv Sanayi AS	2,409	26,704
Haci Omer Sabanci Holding AS	34,228	54,077
KOC Holding AS	27,654	96,184
TAV Havalimanlari Holding AS	6,339	29,627
Tupras Turkiye Petrol Rafinerileri AS	4,366	93,969
Turk Hava Yollari AO (A)	20,002	47,437
Turkcell Iletisim Hizmetleri AS	39,324	92,529
Turkiye Garanti Bankasi AS (A)	83,582	146,541
Turkiye Is Bankasi AS, Class C (A)	57,230	61,089
Turkiye Sise ve Cam Fabrikalari AS	25,592	22,178
		1,095,245
<b>United Arab Emirates - 0.0%</b>		

Kasikornbank PCL	26,000	133,330	NMC Health PLC	5,208	168,916
Kasikornbank PCL, Foreign Quota Shares	78,500	402,958	<b>United Kingdom - 6.8%</b>		
Kasikornbank PCL, NVDR	3,400	17,435	3i Group PLC	53,590	741,875
Krung Thai Bank PCL, Foreign Quota Shares	178,900	97,075	Admiral Group PLC	11,109	307,125
Krung Thai Bank PCL, NVDR	7,900	4,287	Anglo American PLC	57,834	1,513,269
Land & Houses PCL, Foreign Quota Shares	430,200	139,458	Ashtead Group PLC	25,761	782,073
Land & Houses PCL, NVDR	25,100	8,137	Associated British Foods PLC	19,512	647,940
Minor International PCL, Foreign Quota Shares	131,900	167,995	AstraZeneca PLC	71,974	6,953,213
Minor International PCL, NVDR	13,700	17,449	Auto Trader Group PLC (B)	50,106	363,945
Muangthai Capital PCL, Foreign Quota Shares	40,000	79,682	Aviva PLC	274,042	1,429,330
Muangthai Capital PCL, NVDR	1,600	3,188	BAE Systems PLC	175,642	1,300,703
PTT Exploration & Production PCL, Foreign Quota Shares	72,400	287,259	Barclays PLC	946,253	2,091,425
PTT Exploration & Production PCL, NVDR	1,500	5,952	Barratt Developments PLC	55,763	480,741
PTT Global Chemical PCL	120,700	214,621	BP PLC	1,115,575	6,948,328
PTT Global Chemical PCL, NVDR	3,600	6,401	British American Tobacco PLC	125,898	4,982,859
PTT PCL, Foreign Quota Shares	591,800	846,611	BT Group PLC	462,889	1,145,988
PTT PCL, NVDR	22,100	31,616	Bunzl PLC	18,274	501,495
Ratch Group PCL, Foreign Quota Shares	37,400	87,536	Burberry Group PLC	22,537	613,053
Ratch Group PCL, NVDR	1,800	4,213	Centrica PLC	313,674	325,437
Robinson PCL, Foreign Quota Shares	26,400	57,430	CNH Industrial NV	117,137	1,251,830
Robinson PCL, NVDR	400	870	Coca-Cola European Partners PLC	18,837	950,515
Thai Oil PCL	57,500	131,208	Compass Group PLC	86,821	2,127,310
Thai Oil PCL, NVDR	1,600	3,651	Croda International PLC	6,965	448,400
Thai Union Group PCL	135,300	61,786	Diageo PLC	130,272	5,322,464
The Siam Cement PCL	40,500	510,736	Direct Line Insurance Group PLC	81,531	321,854
The Siam Cement PCL, NVDR	1,300	16,394	easyJet PLC	8,727	150,462
The Siam Commercial Bank PCL, Foreign Quota Shares	44,800	179,322	Ferguson PLC	12,731	1,108,456
The Siam Commercial Bank PCL, NVDR	2,200	8,806	Fiat Chrysler Automobiles NV	125,090	1,841,038
TMB Bank PCL, Foreign Quota Shares	795,700	42,126	G4S PLC	84,764	229,126
TMB Bank PCL, NVDR	215,800	11,425	GlaxoSmithKline PLC	273,598	6,215,988
Total Access Communication PCL, Foreign Quota Shares	37,200	65,892	Halma PLC	20,701	563,197
True Corp. PCL, Foreign Quota Shares	619,000	90,948	Hargreaves Lansdown PLC	15,653	375,087
True Corp. PCL, NVDR	12,000	1,763	HSBC Holdings PLC	1,109,521	8,266,000
		8,342,068	Imperial Brands PLC	52,545	1,156,094
<b>Turkey - 0.1%</b>			Informa PLC	68,222	698,073
Akbank T.A.S. (A)	103,310	139,363	InterContinental Hotels Group PLC	9,428	609,381
Anadolu Efes Biracilik Ve Malt Sanayii AS	7,424	27,969	Intertek Group PLC	8,792	626,443
Arcelik AS (A)	7,192	25,143	ITV PLC	197,923	371,176
Aselsan Elektronik Sanayi Ve Ticaret AS	12,735	41,303	J Sainsbury PLC	96,454	267,059
BIM Birlesik Magazalar AS	14,904	119,204	John Wood Group PLC	37,602	170,866
			Johnson Matthey PLC	10,636	395,052
			Kingfisher PLC	115,931	314,280
			Land Securities Group PLC	38,294	474,373
			Legal & General Group PLC	335,017	1,215,762
			Lloyds Banking Group PLC	3,891,234	3,067,661
			London Stock Exchange Group PLC	17,268	1,535,492
			M&G PLC (A)	140,926	430,130
			Marks & Spencer Group PLC	106,440	267,389
			Meggitt PLC	42,406	352,389
			Melrose Industries PLC	267,963	794,735

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>United Kingdom (continued)</b>		
Micro Focus International PLC	18,867	\$ 276,487
Mondi PLC	26,552	574,828
National Grid PLC	186,750	2,147,319
Next PLC	7,398	646,403
Ocado Group PLC (A)	24,903	426,633
Pearson PLC	42,647	357,079
Persimmon PLC	17,516	579,220
Prudential PLC	141,798	2,516,636
Reckitt Benckiser Group PLC	38,781	3,044,264
RELX PLC	106,860	2,586,935
Rentokil Initial PLC	100,648	578,711
Rio Tinto PLC	62,256	3,389,128
Rio Tinto, Ltd.	10,284	674,238
Rolls-Royce Holdings PLC (A)	93,943	863,228
RSA Insurance Group PLC	60,086	428,081
Schroders PLC	6,830	291,212
Segro PLC	59,153	683,221
Severn Trent PLC	12,784	370,844
Smith & Nephew PLC	47,829	1,067,576
Smiths Group PLC	21,578	463,015
Spirax-Sarco Engineering PLC	4,024	463,834
SSE PLC	56,446	949,013
St. James's Place PLC	29,132	409,550
Standard Chartered PLC	153,133	1,377,733
Standard Life Aberdeen PLC	133,511	546,868
Taylor Wimpey PLC	180,797	407,255
Tesco PLC	536,814	1,592,018
The Berkeley Group Holdings PLC	6,699	397,107
The British Land Company PLC	48,924	364,052
The Royal Bank of Scotland Group PLC	266,032	778,001
The Sage Group PLC	58,852	573,039
The Weir Group PLC	14,383	259,167
Unilever NV	116,183	6,912,039
Unilever PLC	60,785	3,600,734
United Utilities Group PLC	36,858	406,755
Vodafone Group PLC	1,465,961	2,902,881
Whitbread PLC	7,286	432,759
Wm Morrison Supermarkets PLC	128,863	330,434
WPP PLC	69,237	894,034

## International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>PREFERRED SECURITIES (continued)</b>		
<b>Chile - 0.0%</b>		
Embotelladora Andina SA, B Shares	10,970	\$ 27,502
Sociedad Quimica y Minera de Chile SA, B Shares	3,981	93,647
		121,149
<b>Colombia - 0.0%</b>		
Bancolombia SA	24,397	296,199
Grupo Aval Acciones y Valores SA	202,013	80,413
Grupo de Inversiones Suramericana SA	6,613	51,557
		428,169
<b>Germany - 0.4%</b>		
Bayerische Motoren Werke AG	5,197	320,143
FUCHS PETROLUB SE	6,264	270,397
Henkel AG & Company KGaA	16,096	1,698,944
Porsche Automobil Holding SE	13,908	1,027,249
Sartorius AG	3,217	677,297
Volkswagen AG	16,779	3,237,198
		7,231,228
<b>South Korea - 0.3%</b>		
Amorepacific Corp.	1,104	82,141
Hyundai Motor Company	2,910	177,898
Hyundai Motor Company, 2nd Preferred	4,511	310,778
LG Chem, Ltd.	947	134,067
LG Household & Health Care, Ltd.	259	163,212
Samsung Electronics Company, Ltd.	100,379	3,480,239
		4,348,335
<b>United Kingdom - 0.0%</b>		
Rolls-Royce Holdings PLC (A)	5,366,728	6,941
<b>TOTAL PREFERRED SECURITIES (Cost \$15,805,407)</b>		<b>\$ 16,085,871</b>
<b>EXCHANGE-TRADED FUNDS - 2.6%</b>		
iShares MSCI India ETF	547,347	18,861,578
KraneShares Boser MSCI China A ETF	345,445	10,563,708
VanEck Vectors Russia ETF	623,690	15,130,719
<b>TOTAL EXCHANGE-TRADED FUNDS (Cost \$41,600,403)</b>		<b>\$ 44,556,005</b>
<b>WARRANTS - 0.0%</b>		

		118,609,212
<b>United States - 0.1%</b>		
Bausch Health Companies, Inc. (A)	26,719	754,521
Carnival PLC	8,995	376,336
International Flavors & Fragrances, Inc.	1	127
Nexteer Automotive Group, Ltd.	66,273	55,532
		1,186,516
<b>TOTAL COMMON STOCKS (Cost \$1,492,888,968)</b>		<b>\$ 1,590,007,966</b>
<b>PREFERRED SECURITIES - 0.9%</b>		
<b>Brazil - 0.2%</b>		
Banco Bradesco SA	116,239	917,019
Braskem SA, A Shares	5,600	37,089
Centrais Eletricas Brasileiras SA, B Shares	6,700	56,576
Cia Brasileira de Distribuicao	4,500	84,543
Cia Energetica de Minas Gerais	26,000	79,651
Gerdau SA	31,400	125,564
Itau Unibanco Holding SA	139,600	1,141,873
Itausa - Investimentos Itau SA	127,260	396,476
Lojas Americanas SA	20,600	107,776
Petroleo Brasileiro SA	121,100	832,943
Telefonica Brasil SA	12,900	170,539
		3,950,049

Minor International PCL (Expiration Date: 10-01-21; Strike Price: THB 48.00) (A)	1,000	115
<b>TOTAL WARRANTS (Cost \$0)</b>		<b>\$ 115</b>
<b>RIGHTS - 0.0%</b>		
Centrais Eletricas Brasileiras SA (Expiration Date: 12-18-19; Strike Price: BRL 35.72) (A)	1,330	31
Centrais Eletricas Brasileiras SA (Expiration Date: 12-18-19; Strike Price: BRL 37.50) (A)	1,371	19
<b>TOTAL RIGHTS (Cost \$0)</b>		<b>\$ 50</b>

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### International Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS - 4.7%</b>		
<b>U.S. Government Agency - 4.7%</b>		
Federal Home Loan Bank Discount Note		
1.520%, 12/23/2019 *	\$ 32,000,000	\$ 31,970,507
1.530%, 12/02/2019 *	1,100,000	1,100,000
1.550%, 01/08/2020 *	28,165,000	28,118,974
Federal National Mortgage Association Discount Note		
1.430%, 12/02/2019 *	21,000,000	21,000,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$82,188,314)</b>		<b>\$ 82,189,481</b>
<b>Total Investments (International Strategic Equity Allocation Fund) (Cost \$1,632,483,092) - 99.4%</b>		<b>\$ 1,732,839,488</b>
<b>Other assets and liabilities, net - 0.6%</b>		<b>10,629,972</b>
<b>TOTAL NET ASSETS - 100.0%</b>		<b>\$ 1,743,469,460</b>

### International Strategic Equity Allocation Fund (continued)

#### Currency Abbreviations

BRL	Brazilian Real
THB	Thai Bhat

#### Security Abbreviations and Legend

ADR	American Depositary Receipt
NVDR	Non-Voting Depositary Receipt
(A)	Non-income producing security.
(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.
(C)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis^	Notional value^	Unrealized appreciation (depreciation)
Canadian Dollar Currency Futures	82	Long	Dec 2019	\$6,220,558	\$6,173,370	\$(47,188)
Mini MSCI EAFE Index Futures	643	Long	Dec 2019	62,581,263	63,525,185	943,922
Mini MSCI Emerging Markets Index Futures	388	Long	Dec 2019	20,264,753	20,174,060	(90,693)
S&P/Toronto Stock Exchange 60 Index Futures	43	Long	Dec 2019	6,404,283	6,600,045	195,762
						<b>\$1,001,803</b>

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

### International Value Fund

### International Value Fund (continued)

	Shares or Principal Amount	Value		Shares or Principal Amount	Value
<b>COMMON STOCKS - 91.2%</b>			<b>COMMON STOCKS (continued)</b>		
<b>Canada - 3.9%</b>			<b>Germany (continued)</b>		
Alamos Gold, Inc., Class A	331,460	\$ 1,879,374	Merck KGaA	31,165	\$ 3,637,614
Husky Energy, Inc.	387,700	2,845,799	Telefonica Deutschland Holding AG	746,113	2,277,731
Wheaton Precious Metals Corp.	184,700	5,105,913			15,551,988
		9,831,086	<b>Hong Kong - 6.1%</b>		
<b>China - 3.8%</b>			China Mobile, Ltd.	418,500	3,155,297
Baidu, Inc., ADR (A)	29,640	3,513,229	CK Asset Holdings, Ltd.	659,000	4,381,973
China Telecom Corp., Ltd., H Shares	5,783,589	2,188,747	CK Hutchison Holdings, Ltd.	737,500	6,697,716
Sinopec Engineering Group Company, Ltd., H Shares	3,135,200	1,836,680	Swire Pacific, Ltd., Class A	57,600	520,067
Sinopharm Group Company, Ltd., H Shares	595,200	1,965,797	Value Partners Group, Ltd. (B)	1,412,400	797,337
		9,504,453			15,552,390
<b>Denmark - 1.1%</b>			<b>Ireland - 1.1%</b>		
A.P. Moller - Maersk A/S, Series B	1,982	2,770,115	Bank of Ireland Group PLC	542,438	2,720,198
<b>France - 9.5%</b>			<b>Israel - 0.2%</b>		
BNP Paribas SA	131,204	7,355,490	Teva Pharmaceutical Industries, Ltd., ADR (A)(B)	49,750	518,395
Cie de Saint-Gobain	69,198	2,801,695	<b>Italy - 1.9%</b>		
Cie Generale des Etablissements Michelin SCA	30,531	3,661,332	Eni SpA	327,241	4,930,778
Sanofi	40,671	3,791,284	<b>Japan - 16.0%</b>		
TOTAL SA	59,701	3,131,589	Astellas Pharma, Inc.	142,700	2,436,285
Veolia Environnement SA	130,320	3,336,831	Isuzu Motors, Ltd.	115,800	1,355,981
		24,078,221	Kirin Holdings Company, Ltd.	173,600	3,845,390
<b>Germany - 6.1%</b>			Matsumotokiyoshi Holdings Company, Ltd.	72,700	2,779,895
Bayer AG	82,863	6,258,167	Mitsui Fudosan Company, Ltd.	148,700	3,702,679
			Panasonic Corp.	417,100	3,935,470
			Seven & i Holdings Company, Ltd.	67,700	2,526,316

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## International Value Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Japan (continued)</b>		
Sumitomo Metal Mining Company, Ltd.	112,000	\$ 3,397,337
Sumitomo Mitsui Financial Group, Inc.	141,800	5,192,199
Sundrug Company, Ltd.	81,300	2,857,814
Suntory Beverage & Food, Ltd.	44,500	1,932,363
Takeda Pharmaceutical Company, Ltd.	159,304	6,490,536
		40,452,265
<b>Luxembourg - 2.0%</b>		
SES SA	226,352	3,003,771
Tenaris SA	195,212	2,074,771
		5,078,542
<b>Netherlands - 8.7%</b>		
Flow Traders (C)	98,967	2,322,099
ING Groep NV	637,949	7,336,255
NXP Semiconductors NV	41,600	4,808,128
Royal Dutch Shell PLC, B Shares	173,479	4,920,987
SBM Offshore NV	152,978	2,575,229
		21,962,698
<b>Norway - 1.5%</b>		
Equinor ASA	207,026	3,816,545
<b>Portugal - 1.2%</b>		
Galp Energia SGPS SA	182,121	2,961,888
<b>Singapore - 1.1%</b>		
Singapore Telecommunications, Ltd.	1,167,200	2,884,315
<b>South Korea - 10.4%</b>		
Hana Financial Group, Inc.	107,333	3,254,383
KB Financial Group, Inc., ADR (B)	190,583	7,434,643
Korea Electric Power Corp. (A)	98,223	2,319,877
Lotte Chemical Corp.	14,762	2,756,656
Samsung Electronics Company, Ltd., GDR (C)	7,500	7,998,715
Shinhan Financial Group Company, Ltd.	71,691	2,648,155
		26,412,429
<b>Switzerland - 2.4%</b>		
Roche Holding AG	15,613	4,813,378
UBS Group AG (A)	109,812	1,329,581
		6,142,959

## International Value Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS (continued)</b>		
<b>Short-term funds - 0.4%</b>		
John Hancock Collateral Trust, 1.7887% (D)(E)	118,343	\$ 1,184,178
TOTAL SHORT-TERM INVESTMENTS (Cost \$16,583,563)		\$ 16,584,178
<b>Total Investments (International Value Fund) (Cost \$217,565,296) - 97.7%</b>		<b>\$ 247,753,554</b>
<b>Other assets and liabilities, net - 2.3%</b>		<b>5,777,826</b>
<b>TOTAL NET ASSETS - 100.0%</b>		<b>\$ 253,531,380</b>

### Security Abbreviations and Legend

ADR	American Depositary Receipt
GDR	Global Depositary Receipt
NVDR	Non-Voting Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$1,144,550.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	The rate shown is the annualized seven-day yield as of 11-30-19.
(E)	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.

## Mid Cap Stock Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS - 93.5%</b>		
<b>Communication services - 7.7%</b>		
<b>Entertainment - 5.6%</b>		
Roku, Inc. (A)	123,006	\$ 19,726,472
Spotify Technology SA (A)	409,113	58,319,058
Take-Two Interactive Software, Inc. (A)	111,046	13,475,432

<b>Taiwan - 2.3%</b>									91,520,962
Taiwan Semiconductor Manufacturing Company, Ltd.	574,000	5,773,674							
<b>Thailand - 0.6%</b>									
Kasikornbank PCL, Foreign Quota Shares	75,000	384,991							
Kasikornbank PCL, NVDR	225,800	1,157,918							
		1,542,909							125,386,065
<b>United Kingdom - 11.3%</b>									
BAE Systems PLC	363,068	2,688,672							
BP PLC	1,042,285	6,491,844							
Johnson Matthey PLC	110,722	4,112,536							
Kingfisher PLC	929,753	2,520,493							
Standard Chartered PLC	747,713	6,727,152							
Vodafone Group PLC	3,102,143	6,142,831							
		28,683,528							
<b>TOTAL COMMON STOCKS (Cost \$200,981,733)</b>			\$	231,169,376					
<b>SHORT-TERM INVESTMENTS - 6.5%</b>									
<b>U.S. Government Agency - 6.1%</b>									
<b>U.S. Government Agency - 6.1%</b>									
Federal Home Loan Bank Discount Note									
1.530%, 12/02/2019 *	\$ 15,400,000	15,400,000							
									119,001,545
<b>Interactive media and services – 2.1%</b>									
Pinterest, Inc., Class A (A)					1,738,455				33,865,103
									125,386,065
<b>Consumer discretionary – 20.1%</b>									
<b>Diversified consumer services – 1.1%</b>									
Grand Canyon Education, Inc. (A)					205,000				17,463,950
<b>Hotels, restaurants and leisure – 7.3%</b>									
Marriott Vacations Worldwide Corp.					246,629				30,295,906
Norwegian Cruise Line Holdings, Ltd. (A)					540,076				28,969,677
Planet Fitness, Inc., Class A (A)					417,960				30,895,603
Vail Resorts, Inc.					118,846				28,840,359
									119,001,545
<b>Household durables – 1.8%</b>									
Lennar Corp., A Shares					479,422				28,597,522
<b>Leisure products – 2.6%</b>									
BRP, Inc.					401,610				19,952,002
Peloton Interactive, Inc., Class A (A)(B)					440,100				15,504,723
YETI Holdings, Inc. (A)					236,316				7,519,575
									42,976,300
<b>Specialty retail – 5.5%</b>									
Burlington Stores, Inc. (A)					153,825				34,610,625
Five Below, Inc. (A)					210,867				26,086,357

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Mid Cap Stock Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Specialty retail (continued)</b>		
Floor & Decor Holdings, Inc., Class A (A)	581,614	\$ 27,923,288
JAND, Inc., Class A (A)(C)(D)	57,523	935,324
		89,555,594
<b>Textiles, apparel and luxury goods – 1.8%</b>		
Carter's, Inc.	116,775	12,064,025
Under Armour, Inc., Class A (A)(B)	203,881	3,851,312
Under Armour, Inc., Class C (A)	814,345	14,088,169

### Mid Cap Stock Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Semiconductors and semiconductor equipment – 6.6%</b>		
Advanced Micro Devices, Inc. (A)	2,093,852	\$ 81,974,308
Marvell Technology Group, Ltd.	946,960	24,971,335
		106,945,643
<b>Software – 20.4%</b>		
2U, Inc. (A)(B)	281,385	7,017,742
Birst, Inc. (A)(D)	748,062	38,899
DocuSign, Inc. (A)	48,973	3,487,367
DraftKings, Inc. (A)(C)(D)	2,294,714	6,815,301

		30,003,506	Fair Isaac Corp. (A)	86,546	31,827,292
		327,598,417	Guidewire Software, Inc. (A)	490,705	59,782,590
			ServiceNow, Inc. (A)	170,794	48,341,534
<b>Consumer staples – 1.7%</b>			Slack Technologies, Inc., Class A (A)(B)	1,113,411	25,408,039
<b>Food products – 1.7%</b>			Splunk, Inc. (A)	494,224	73,748,105
Lamb Weston Holdings, Inc.	329,483	27,669,982	The Trade Desk, Inc., Class A (A)	82,218	21,651,288
<b>Financials – 1.1%</b>			Workday, Inc., Class A (A)	235,396	42,164,132
<b>Capital markets – 1.1%</b>			Zoom Video Communications, Inc., Class A (A)(B)	172,048	12,817,576
The Blackstone Group, Inc., Class A	341,993	18,542,860			333,099,865
<b>Health care – 20.3%</b>			<b>Technology hardware, storage and peripherals – 0.9%</b>		
<b>Biotechnology – 6.5%</b>			Pure Storage, Inc., Class A (A)	943,290	15,158,670
Ascendis Pharma A/S, ADR (A)(B)	106,638	12,282,565			515,133,062
Exact Sciences Corp. (A)	213,033	17,257,803	TOTAL COMMON STOCKS (Cost \$1,115,818,020)	\$	1,525,939,332
Galapagos NV (A)	102,519	20,132,821	<b>PREFERRED SECURITIES – 2.7%</b>		
Galapagos NV, ADR (A)(B)	17,210	3,369,890	<b>Consumer discretionary – 1.3%</b>		
Ionis Pharmaceuticals, Inc. (A)	300,647	19,229,382	<b>Diversified consumer services – 0.3%</b>		
Sage Therapeutics, Inc. (A)	110,556	17,110,752	The Honest Company, Inc., Series C (A)(C)(D)	142,030	4,544,960
Seattle Genetics, Inc. (A)	137,416	16,538,016	The Honest Company, Inc., Series D (A)(C)(D)	12,795	484,675
		105,921,229			5,029,635
<b>Health care equipment and supplies – 10.8%</b>			<b>Internet and direct marketing retail – 0.9%</b>		
ABIOMED, Inc. (A)	114,790	22,519,502	Coupage LLC (A)(C)(D)	2,300,670	13,680,934
DexCom, Inc. (A)	112,506	25,573,739	One Kings Lane, Inc. (A)(D)	529,764	84,762
Haemonetics Corp. (A)	434,336	52,380,922			13,765,696
Insulet Corp. (A)	234,849	43,611,459	<b>Specialty retail – 0.1%</b>		
Tandem Diabetes Care, Inc. (A)	474,801	32,775,513	JAND, Inc., Series D (A)(C)(D)	128,449	2,088,581
		176,861,135			20,883,912
<b>Life sciences tools and services – 1.0%</b>			<b>Information technology – 1.1%</b>		
Agilent Technologies, Inc.	209,666	16,934,723	<b>Software – 1.1%</b>		
<b>Pharmaceuticals – 2.0%</b>			Essence Group Holdings Corp. (A)(C)(D)	2,958,957	8,788,102
Elanco Animal Health, Inc. (A)	877,768	24,322,951	Lookout, Inc., Series F (A)(C)(D)	392,767	2,568,696
Reata Pharmaceuticals, Inc., Class A (A)	42,647	8,321,709	MarkLogic Corp., Series F (A)(C)(D)	580,011	5,979,913
		32,644,660			17,336,711
		332,361,747	<b>Real estate – 0.3%</b>		
<b>Industrials – 11.0%</b>			<b>Real estate management and development – 0.3%</b>		
<b>Aerospace and defense – 2.6%</b>			The We Company, Inc., Series D1 (A)(C)(D)	184,328	2,687,502
L3Harris Technologies, Inc.	210,470	42,323,412	The We Company, Inc., Series D2 (A)(C)(D)	161,782	2,358,782
<b>Commercial services and supplies – 2.7%</b>					5,046,284
Copart, Inc. (A)	305,335	27,174,815	TOTAL PREFERRED SECURITIES (Cost \$36,083,430)	\$	43,266,907
The Brink's Company	189,779	17,649,447	<b>SHORT-TERM INVESTMENTS – 8.0%</b>		
		44,824,262	<b>Short-term funds – 4.4%</b>		
<b>Machinery – 4.2%</b>			John Hancock Collateral Trust, 1.7887% (E)(F)	7,111,768	71,162,488
Dover Corp.	161,871	18,045,379			
Ingersoll-Rand PLC	382,162	50,105,260			
		68,150,639			
<b>Road and rail – 1.5%</b>					
Uber Technologies, Inc. (A)	809,084	23,948,886			
		179,247,199			
<b>Information technology – 31.6%</b>					
<b>Electronic equipment, instruments and components – 1.9%</b>					
Zebra Technologies Corp., Class A (A)	120,361	30,203,389			
<b>IT services – 1.8%</b>					
GoDaddy, Inc., Class A (A)	447,808	29,725,495			

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Mid Cap Stock Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS (continued)</b>		
<b>Repurchase agreement – 3.6%</b>		
Societe Generale SA Tri-Party		
Repurchase Agreement dated 11-29-19 at 1.600% to be repurchased at \$59,007,867 on 12-2-19, collateralized by \$43,135,733 Federal Home Loan Mortgage Corp, 3.000% - 3.500% due 4-1-49 to 9-1-49 (maturity value of \$44,030,810), \$1,802,147 Federal National Mortgage Association, 4.000% due 2-1-48 (maturity value of \$1,888,501), \$8,264,017 Government National Mortgage Association, 4.000% due 9-20-49 (maturity value of \$8,669,211), \$300 U.S. Treasury Bills, 0.000% due 1-30-20 to 5-21-20 (maturity value of \$299), \$800 U.S. Treasury Bonds, 2.785% - 8.750% due 8-15-20 to 5-15-49 (maturity value of \$894) and \$5,491,500 U.S. Treasury Notes, 1.000% - 2.125% due 11-30-19 to 8-31-24 (maturity value of \$5,590,288)	\$ 59,000,000	\$ 59,000,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$130,163,731)		\$ 130,162,488
<b>Total Investments (Mid Cap Stock Fund) (Cost \$1,282,065,181) – 104.2%</b>		<b>\$ 1,699,368,727</b>
<b>Other assets and liabilities, net – (4.2%)</b>		<b>(68,249,401)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 1,631,119,326</b>

### Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$69,639,712.
(C)	Direct placement securities are restricted as to resale, and the fund has limited rights to registration under the Securities Act of 1933. For more information on this security refer to the Notes to Portfolio of Investments.
(D)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
(E)	The rate shown is the annualized seven-day yield as of 11-30-19.

## Mid Value Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Consumer discretionary – 4.7%</b>		
<b>Diversified consumer services – 1.0%</b>		
Strategic Education, Inc.	88,242	\$ 12,507,421
<b>Multiline retail – 0.4%</b>		
Nordstrom, Inc. (B)	131,896	5,034,470
<b>Specialty retail – 2.5%</b>		
Tiffany & Company	235,655	31,530,639
<b>Textiles, apparel and luxury goods – 0.8%</b>		
Ralph Lauren Corp.	79,027	8,482,758
Under Armour, Inc., Class C (A)	145,612	2,519,088
		11,001,846
		60,074,376
<b>Consumer staples – 7.7%</b>		
<b>Beverages – 0.8%</b>		
Carlsberg A/S, Class B	72,963	10,496,679
<b>Food and staples retailing – 0.8%</b>		
Sysco Corp.	80,236	6,463,010
The Kroger Company	152,287	4,163,527
		10,626,537
<b>Food products – 5.4%</b>		
Archer-Daniels-Midland Company	183,330	7,870,357
Bunge, Ltd.	539,581	28,802,834
Campbell Soup Company (B)	190,875	8,889,049
Flowers Foods, Inc.	1,066,866	22,969,625
		68,531,865
<b>Household products – 0.2%</b>		
Kimberly-Clark Corp.	21,092	2,875,683
<b>Personal products – 0.5%</b>		
Edgewell Personal Care Company (A)	178,482	5,561,499
		98,092,263
<b>Energy – 10.8%</b>		
<b>Energy equipment and services – 1.1%</b>		
Frank's International NV (A)	997,640	5,087,964
SEACOR Holdings, Inc. (A)	64,297	2,722,335
SEACOR Marine Holdings, Inc. (A)	190,011	2,247,830
Tidewater, Inc. (A)(B)	265,491	4,062,012
		14,120,141
<b>Oil, gas and consumable fuels – 9.7%</b>		
Apache Corp.	240,931	5,367,943

(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.

## Mid Value Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS – 93.5%</b>		
<b>Communication services – 4.1%</b>		
<b>Entertainment – 1.1%</b>		
Viacom, Inc., Class B	559,755	\$ 13,473,303
<b>Media – 3.0%</b>		
CBS Corp., Class B	155,246	6,268,833
DISH Network Corp., Class A (A)	125,916	4,302,550
Fox Corp., Class A	44,472	1,590,319
News Corp., Class A	1,714,014	22,076,500
Scholastic Corp.	102,688	3,812,805
		38,051,007
<b>Wireless telecommunication services – 0.0%</b>		
Telephone & Data Systems, Inc.	24,450	579,710
		52,104,020

Cameco Corp. (B)	1,058,669	9,792,688
Canadian Natural Resources, Ltd.	642,718	17,976,822
Encana Corp. (B)	2,177,104	8,577,790
EQT Corp.	1,700,162	14,842,414
Equitrans Midstream Corp. (B)	794,212	7,918,294
Hess Corp.	282,901	17,565,323
Imperial Oil, Ltd. (B)	941,246	23,691,162
Murphy Oil Corp. (B)	532,392	12,250,340
NAC Kazatomprom JSC, GDR	335,343	4,439,151
Peabody Energy Corp.	148,300	1,435,544
		123,857,471
		137,977,612
<b>Financials – 19.2%</b>		
<b>Banks – 3.3%</b>		
Fifth Third Bancorp	871,673	26,315,808
Popular, Inc.	42,558	2,353,883
Westamerica Bancorporation	203,579	13,232,635
		41,902,326
<b>Capital markets – 7.7%</b>		
Franklin Resources, Inc.	361,375	9,934,199
Lazard, Ltd., Class A	467,119	18,049,478
Northern Trust Corp.	319,341	34,246,130

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Mid Value Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Capital markets (continued)</b>		
State Street Corp.	349,116	\$ 26,218,612
TD Ameritrade Holding Corp.	184,900	9,583,367
		98,031,786
<b>Consumer finance – 1.1%</b>		
Ally Financial, Inc.	242,586	7,723,938
Synchrony Financial	183,866	6,878,427
		14,602,365
<b>Diversified financial services – 0.9%</b>		
Groupe Bruxelles Lambert SA	31,230	3,168,375
Pargesa Holding SA, Bearer Shares	103,302	8,153,006
		11,321,381
<b>Insurance – 5.5%</b>		
Brighthouse Financial, Inc. (A)	125,463	5,164,057
Brown & Brown, Inc.	393,415	14,847,482
CNA Financial Corp.	325,821	14,570,715

### Mid Value Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Machinery – 3.4%</b>		
AGCO Corp.	93,347	\$ 7,293,201
CNH Industrial NV	566,138	6,050,274
PACCAR, Inc.	139,247	11,330,528
Wabtec Corp.	93,124	7,316,753
Xylem, Inc.	145,081	11,245,228
		43,235,984
<b>Road and rail – 1.5%</b>		
J.B. Hunt Transport Services, Inc.	74,012	8,557,267
Kansas City Southern	66,901	10,197,050
		18,754,317
		118,224,947
<b>Information technology – 3.5%</b>		
<b>Electronic equipment, instruments and components – 1.5%</b>		
AVX Corp.	456,202	9,283,711

Kemper Corp.	114,835	8,488,603	National Instruments Corp.	237,618	10,008,470
Loews Corp.	352,918	17,963,526			19,292,181
Marsh & McLennan Companies, Inc.	93,822	10,139,344	<b>IT services – 0.3%</b>		
		71,173,727	Cognizant Technology Solutions Corp., Class A	66,777	4,281,073
<b>Thrifts and mortgage finance – 0.7%</b>			<b>Semiconductors and semiconductor equipment – 1.5%</b>		
Capitol Federal Financial, Inc.	619,040	8,777,987	Applied Materials, Inc.	324,270	18,775,233
		245,809,572	<b>Technology hardware, storage and peripherals – 0.2%</b>		
<b>Health care – 15.2%</b>			Western Digital Corp.	43,322	2,180,396
<b>Biotechnology – 1.9%</b>					44,528,883
Alkermes PLC (A)	442,197	9,294,981	<b>Materials – 9.7%</b>		
Incyte Corp. (A)	102,295	9,632,097	<b>Chemicals – 2.2%</b>		
Seattle Genetics, Inc. (A)	41,388	4,981,046	Corteva, Inc.	401,771	10,454,081
		23,908,124	PPG Industries, Inc.	42,499	5,475,571
<b>Health care equipment and supplies – 6.4%</b>			RPM International, Inc.	45,269	3,337,683
Alcon, Inc. (A)	93,204	5,148,444	Westlake Chemical Corp.	130,923	8,991,792
Baxter International, Inc.	180,964	14,833,619			28,259,127
DENTSPLY SIRONA, Inc.	333,445	18,852,980	<b>Construction materials – 1.2%</b>		
Envista Holdings Corp. (A)(B)	35,811	1,007,005	Summit Materials, Inc., Class A (A)	245,201	5,852,948
Hologic, Inc. (A)	466,392	23,935,237	Vulcan Materials Company	67,144	9,525,719
Zimmer Biomet Holdings, Inc.	120,979	17,575,829			15,378,667
		81,353,114	<b>Metals and mining – 6.3%</b>		
<b>Health care providers and services – 5.1%</b>			Barrick Gold Corp.	1,074,750	18,055,800
Cardinal Health, Inc.	310,132	17,066,564	Cia de Minas Buenaventura SAA, ADR (B)	426,408	6,553,891
Covetrus, Inc. (A)(B)	316,623	4,530,875	Franco-Nevada Corp.	191,907	18,855,517
Patterson Companies, Inc.	849,652	16,534,228	Freeport-McMoRan, Inc.	942,984	10,731,158
Select Medical Holdings Corp. (A)	1,254,894	27,745,706	Fresnillo PLC (B)	813,617	6,078,510
		65,877,373	Gold Fields, Ltd., ADR	651,200	3,483,920
<b>Pharmaceuticals – 1.8%</b>			Newmont Goldcorp Corp.	170,349	6,541,402
Amneal Pharmaceuticals, Inc. (A)	34,951	131,416	Nucor Corp.	170,021	9,582,384
Elanco Animal Health, Inc. (A)	15,646	433,551			79,882,582
Perrigo Company PLC	452,508	23,181,985	<b>Real estate – 6.2%</b>		
		23,746,952	<b>Equity real estate investment trusts – 5.8%</b>		
		194,885,563	Equity Commonwealth	328,327	10,785,542
<b>Industrials – 9.2%</b>			Equity Residential	132,781	11,299,663
<b>Aerospace and defense – 2.1%</b>			Rayonier, Inc.	749,972	22,971,642
Cobham PLC	2,295,919	4,695,636	Regency Centers Corp.	103,230	6,714,079
Textron, Inc.	491,427	22,723,584	Weyerhaeuser Company	770,893	22,749,052
		27,419,220			74,519,978
<b>Air freight and logistics – 1.7%</b>			<b>Real estate management and development – 0.4%</b>		
C.H. Robinson Worldwide, Inc.	186,834	14,358,193	The St. Joe Company (A)	262,435	4,986,265
Expeditors International of Washington, Inc.	97,679	7,302,482			79,506,243
		21,660,675	<b>Utilities – 3.2%</b>		
<b>Commercial services and supplies – 0.5%</b>					
Cintas Corp.	27,833	7,154,751			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Mid Value Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Electric utilities – 2.6%</b>		
Entergy Corp.	45,939	\$ 5,346,840
FirstEnergy Corp.	473,856	22,598,193
PG&E Corp. (A)	763,643	5,696,777
		33,641,810
<b>Independent power and renewable electricity producers</b>		
–		
<b>0.1%</b>		
Vistra Energy Corp.	53,086	1,408,372
<b>Multi-utilities – 0.5%</b>		
CenterPoint Energy, Inc.	249,600	6,130,176
		41,180,358
TOTAL COMMON STOCKS (Cost \$1,011,294,408)		\$ 1,195,904,213
<b>PREFERRED SECURITIES – 0.3%</b>		
<b>Consumer staples – 0.3%</b>		
<b>Food products – 0.3%</b>		
Bunge, Ltd., 4.875%	31,449	3,160,625
TOTAL PREFERRED SECURITIES (Cost \$3,563,298)		\$ 3,160,625
<b>RIGHTS – 0.0%</b>		
DISH Network Corp. (Expiration Date: 12-9-19; Strike Price: \$33.52) (A)	6,815	4,634
TOTAL RIGHTS (Cost \$0)		\$ 4,634
<b>SHORT-TERM INVESTMENTS – 9.7%</b>		
<b>Short-term funds – 9.7%</b>		
John Hancock Collateral Trust, 1.7887% (C)(D)	4,832,123	48,351,668
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (C)	2,382,741	2,382,741
T. Rowe Price Government Reserve Fund, 1.6309% (C)	74,063,349	74,063,349
TOTAL SHORT-TERM INVESTMENTS (Cost \$124,798,138)		\$ 124,797,758
<b>Total Investments (Mid Value Fund) (Cost \$1,139,655,844) – 103.5%</b>		<b>\$ 1,323,867,230</b>
<b>Other assets and liabilities, net – (3.5%)</b>		<b>(45,176,938)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 1,278,690,292</b>

## Security Abbreviations and Legend

ADR	American Depositary Receipt
GDR	Global Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$46,794,460.
(C)	The rate shown is the annualized seven-day yield as of 11-30-19.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## Multi-Index Lifestyle Aggressive Portfolio

## Multi-Index Lifestyle Aggressive Portfolio (continued)

	Shares or Principal Amount	Value
<b>UNAFFILIATED INVESTMENT COMPANIES (continued)</b>		
<b>Exchange-traded funds (continued)</b>		
iShares Edge MSCI Min Vol USA ETF	261,461	\$ 16,953,131
iShares Global Infrastructure ETF (C)	22,163	1,037,450
Schwab U.S. Large-Cap Growth ETF	68,321	6,191,249
Vanguard Dividend Appreciation ETF	98,036	12,013,331
Vanguard Energy ETF	57,457	4,412,123
Vanguard FTSE All World ex-US Small-Cap ETF	33,531	3,605,924
Vanguard FTSE Developed Markets ETF	27,126	1,165,604
Vanguard FTSE Emerging Markets ETF	356,362	14,988,586
Vanguard Global ex-U.S. Real Estate ETF	17,196	1,039,670
Vanguard Health Care ETF (C)	26,028	4,853,441
Vanguard Information Technology ETF	22,349	5,277,716
Vanguard Materials ETF	15,911	2,083,705
Vanguard Mid-Cap ETF	141,455	24,743,309
Vanguard Real Estate ETF	33,810	3,146,697
Vanguard S&P 500 ETF	10,339	2,984,352
Vanguard Small-Cap ETF	67,993	11,082,859
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$101,132,489)		\$ 121,159,520
<b>SHORT-TERM INVESTMENTS - 1.4%</b>		
<b>Short-term funds - 1.4%</b>		
John Hancock Collateral Trust, 1.7887% (D)(E)	510,043	5,103,640
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (D)	94,366	94,366
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,198,006)		\$ 5,198,006
<b>Total Investments (Multi-Index Lifestyle Aggressive Portfolio) (Cost \$350,798,181) - 101.4%</b>		<b>\$ 366,614,447</b>
<b>Other assets and liabilities, net - (1.4%)</b>		<b>(5,134,654)</b>
<b>TOTAL NET ASSETS - 100.0%</b>		<b>\$ 361,479,793</b>

## Security Abbreviations and Legend

	Shares or Principal Amount	Value
<b>AFFILIATED INVESTMENT COMPANIES (A)</b>		
<b>- 66.5%</b>		
<b>Equity - 66.5%</b>		
Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	20,054,835	\$ 240,256,921
<b>TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$244,467,686)</b>		
		\$ 240,256,921
<b>UNAFFILIATED INVESTMENT COMPANIES</b>		
<b>- 33.5%</b>		
<b>Exchange-traded funds - 33.5%</b>		
Financial Select Sector SPDR Fund	185,087	5,580,373

- JHF II John Hancock Funds II  
MIM US Manulife Investment Management (US) LLC  
(A) The underlying funds' subadvisor is shown parenthetically.  
(B) The subadvisor is an affiliate of the advisor.  
(C) All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$5,002,902.  
(D) The rate shown is the annualized seven-day yield as of 11-30-19.  
(E) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## Multi-Index Lifestyle Balanced Portfolio

	Shares or Principal Amount	Value
<b>AFFILIATED INVESTMENT COMPANIES (A) - 38.5%</b>		
<b>Equity - 38.5%</b>		
Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	29,997,721	\$ 359,372,692
<b>TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$358,939,613)</b>		
		\$ 359,372,692
<b>UNAFFILIATED INVESTMENT COMPANIES - 61.5%</b>		
<b>Exchange-traded funds - 61.5%</b>		
Financial Select Sector SPDR Fund	365,249	11,012,257
Invesco Senior Loan ETF (C)	792,864	17,807,725
iShares Edge MSCI Min Vol USA ETF	706,142	45,786,247
iShares Global Infrastructure ETF	40,088	1,876,519

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Multi-Index Lifestyle Balanced Portfolio (continued)

	Shares or Principal Amount	Value
<b>UNAFFILIATED INVESTMENT COMPANIES (continued)</b>		
<b>Exchange-traded funds (continued)</b>		
iShares JP Morgan USD Emerging Markets Bond ETF	273,158	\$ 30,626,475
iShares TIPS Bond ETF	94,694	11,020,488
Schwab U.S. Large-Cap Growth ETF	105,297	9,542,014
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF	133,229	4,389,896
Vanguard Dividend Appreciation ETF	254,369	31,170,377

## Multi-Index Lifestyle Conservative Portfolio

	Shares or Principal Amount	Value
<b>AFFILIATED INVESTMENT COMPANIES (A) - 10.7%</b>		
<b>Equity - 10.7%</b>		
Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	1,705,586	\$ 20,432,925
<b>TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$19,323,015)</b>		
		\$ 20,432,925

Vanguard Energy ETF (C)	104,465	8,021,867
Vanguard FTSE All World ex-US Small-Cap ETF	20,609	2,216,292
Vanguard FTSE Developed Markets ETF	137,308	5,900,125
Vanguard FTSE Emerging Markets ETF	315,166	13,255,882
Vanguard Global ex-U.S. Real Estate ETF	31,109	1,880,850
Vanguard Health Care ETF (C)	33,821	6,306,602
Vanguard Information Technology ETF	31,200	7,367,880
Vanguard Intermediate-Term Corporate Bond ETF	1,213,032	110,846,864
Vanguard Materials ETF	28,855	3,778,851
Vanguard Mid-Cap ETF	187,830	32,855,224
Vanguard Real Estate ETF	61,319	5,706,959
Vanguard S&P 500 ETF	163	47,050
Vanguard Short-Term Bond ETF	145,753	11,769,555
Vanguard Short-Term Corporate Bond ETF	161,384	13,085,015
Vanguard Short-Term Inflation-Protected Securities ETF	448,371	22,055,369
Vanguard Small-Cap ETF	81,800	13,333,400
Vanguard Total Bond Market ETF	1,137,911	95,914,518
Xtrackers USD High Yield Corporate Bond ETF	1,124,523	56,068,717
<b>TOTAL UNAFFILIATED INVESTMENT COMPANIES</b> (Cost \$526,084,009)		<b>\$ 573,643,018</b>
<b>SHORT-TERM INVESTMENTS - 2.8%</b>		
<b>Short-term funds - 2.8%</b>		
John Hancock Collateral Trust, 1.7887% (D)(E)	2,494,563	24,961,349
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (D)	891,653	891,653
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$25,851,012)</b>		<b>\$ 25,853,002</b>
<b>Total Investments (Multi-Index Lifestyle Balanced Portfolio) (Cost \$910,874,634) - 102.8%</b>		<b>\$ 958,868,712</b>
<b>Other assets and liabilities, net - (2.8%)</b>		<b>(25,741,382)</b>
<b>TOTAL NET ASSETS - 100.0%</b>		<b>\$ 933,127,330</b>

Security Abbreviations and Legend

JHF II	John Hancock Funds II
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying funds' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$24,415,730.
(D)	The rate shown is the annualized seven-day yield as of 11-30-19.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

<b>UNAFFILIATED INVESTMENT COMPANIES - 89.2%</b>		
<b>Exchange-traded funds - 89.2%</b>		
Invesco Senior Loan ETF (C)	324,129	7,279,937
iShares Edge MSCI Min Vol USA ETF	83,456	5,411,287
iShares Global Infrastructure ETF (C)	5,859	274,260
iShares JP Morgan USD Emerging Markets Bond ETF	82,105	9,205,613
iShares TIPS Bond ETF	38,690	4,502,742
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF	40,047	1,319,549
Vanguard Dividend Appreciation ETF	31,760	3,891,870
Vanguard Energy ETF	15,231	1,169,588
Vanguard FTSE Developed Markets ETF	65,023	2,794,038
Vanguard FTSE Emerging Markets ETF	16,186	680,783
Vanguard Global ex-U.S. Real Estate ETF	4,559	275,637
Vanguard Intermediate-Term Corporate Bond ETF	552,181	50,458,300
Vanguard Materials ETF	4,221	552,782
Vanguard Mid-Cap ETF	8,097	1,416,327
Vanguard Real Estate ETF	8,936	831,674
Vanguard Short-Term Bond ETF	63,795	5,151,446
Vanguard Short-Term Corporate Bond ETF	84,528	6,853,530
Vanguard Short-Term Inflation-Protected Securities ETF	183,203	9,011,756
Vanguard Small-Cap ETF	2,762	450,206
Vanguard Total Bond Market ETF	506,771	42,715,728
Xtrackers USD High Yield Corporate Bond ETF	321,235	16,016,777
<b>TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$163,701,297)</b>		<b>\$ 170,263,830</b>
<b>SHORT-TERM INVESTMENTS - 4.0%</b>		
<b>Short-term funds - 4.0%</b>		
John Hancock Collateral Trust, 1.7887% (D)(E)	734,076	7,345,380
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (D)	258,111	258,111

TOTAL SHORT-TERM INVESTMENTS (Cost \$7,604,093)	\$ 7,603,491
<b>Total Investments</b> <b>(Multi-Index Lifestyle Conservative Portfolio) (Cost \$190,628,405) - 103.9%</b>	<b>\$ 198,300,246</b>
<b>Other assets and liabilities, net - (3.9%)</b>	<b>(7,518,321)</b>
<b>TOTAL NET ASSETS - 100.0%</b>	<b>\$ 190,781,925</b>

Security Abbreviations and Legend

JHF II	John Hancock Funds II
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying funds' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$7,184,827.
(D)	The rate shown is the annualized seven-day yield as of 11-30-19.
(E)	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 Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Multi-Index Lifestyle Growth Portfolio

	Shares or Principal Amount	Value
<b>AFFILIATED INVESTMENT COMPANIES (A)</b> - 52.7%		
<b>Equity - 52.7%</b>		
Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)		
	38,527,075	\$ 461,554,363
<b>TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$469,286,483)</b>		
		\$ 461,554,363
<b>UNAFFILIATED INVESTMENT COMPANIES</b> - 47.2%		
<b>Exchange-traded funds - 47.2%</b>		
Financial Select Sector SPDR Fund		
	388,281	11,706,672
Invesco Senior Loan ETF (C)		
	371,133	8,335,647

## Multi-Index Lifestyle Growth Portfolio (continued)

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

## Multi-Index Lifestyle Moderate Portfolio

	Shares or Principal Amount	Value
<b>AFFILIATED INVESTMENT COMPANIES (A) - 25.4%</b>		
<b>Equity - 25.4%</b>		
Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)		
	5,811,644	\$ 69,623,497
<b>TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$68,932,323)</b>		
		\$ 69,623,497
<b>UNAFFILIATED INVESTMENT COMPANIES - 74.5%</b>		

iShares Edge MSCI Min Vol USA ETF	670,360	43,466,142	<b>Exchange-traded funds - 74.5%</b>	
iShares Global Infrastructure ETF	45,355	2,123,068	Invesco Senior Loan ETF (C)	350,151 7,864,391
iShares JP Morgan USD Emerging Markets Bond ETF	138,392	15,516,511	iShares Edge MSCI Min Vol USA ETF	216,553 14,041,297
iShares TIPS Bond ETF	42,264	4,918,684	iShares Global Infrastructure ETF	9,268 433,835
Schwab U.S. Large-Cap Growth ETF	131,025	11,873,486	iShares JP Morgan USD Emerging Markets Bond ETF	104,187 11,681,446
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF	65,640	2,162,838	iShares TIPS Bond ETF	38,524 4,483,423
Vanguard Dividend Appreciation ETF	247,939	30,382,445	VanEck Vectors J.P. Morgan EM Local Currency Bond ETF	50,812 1,674,255
Vanguard Energy ETF	118,252	9,080,571	Vanguard Dividend Appreciation ETF	77,784 9,531,651
Vanguard FTSE All World ex-US Small-Cap ETF	19,584	2,106,063	Vanguard Energy ETF	24,017 1,844,265
Vanguard FTSE Developed Markets ETF	229,798	9,874,420	Vanguard FTSE Developed Markets ETF	90,160 3,874,175
Vanguard FTSE Emerging Markets ETF	595,355	25,040,631	Vanguard FTSE Emerging Markets ETF	17,546 737,985
Vanguard Global ex-U.S. Real Estate ETF	34,969	2,114,226	Vanguard Global ex-U.S. Real Estate ETF	7,223 436,703
Vanguard Health Care ETF (C)	42,770	7,975,322	Vanguard Intermediate-Term Corporate Bond ETF	579,618 52,965,494
Vanguard Information Technology ETF	37,971	8,966,852	Vanguard Materials ETF	6,692 876,384
Vanguard Intermediate-Term Corporate Bond ETF	587,113	53,650,386	Vanguard Mid-Cap ETF	31,353 5,484,267
Vanguard Materials ETF	32,349	4,236,425	Vanguard Real Estate ETF	14,167 1,318,523
Vanguard Mid-Cap ETF	256,304	44,832,696	Vanguard S&P 500 ETF	48 13,855
Vanguard Real Estate ETF	69,046	6,426,111	Vanguard Short-Term Bond ETF	50,582 4,084,497
Vanguard S&P 500 ETF	153	44,163	Vanguard Short-Term Corporate Bond ETF	88,422 7,169,256
Vanguard Short-Term Bond ETF	56,333	4,548,890	Vanguard Short-Term Inflation-Protected Securities ETF (C)	182,412 8,972,846
Vanguard Short-Term Corporate Bond ETF	62,371	5,057,041	Vanguard Small-Cap ETF	9,374 1,527,962
Vanguard Short-Term Inflation-Protected Securities ETF	199,543	9,815,520	Vanguard Total Bond Market ETF	527,134 44,432,125
Vanguard Small-Cap ETF	99,797	16,266,911	Xtrackers USD High Yield Corporate Bond ETF	411,807 20,532,697
Vanguard Total Bond Market ETF	571,106	48,138,525		
Xtrackers USD High Yield Corporate Bond ETF	500,543	24,957,074		
<b>TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$367,338,314)</b>		<b>\$ 413,617,320</b>	<b>TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$192,072,360)</b>	<b>\$ 203,981,332</b>
<b>SHORT-TERM INVESTMENTS - 1.9%</b>			<b>SHORT-TERM INVESTMENTS - 3.5%</b>	
<b>Short-term funds - 1.9%</b>			<b>Short-term funds - 3.5%</b>	
John Hancock Collateral Trust, 1.7887% (D)(E)	1,642,996	16,440,312	John Hancock Collateral Trust, 1.7887% (D)(E)	914,794 9,153,703
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (D)	1,046	1,046	State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (D)	337,671 337,671

TOTAL SHORT-TERM INVESTMENTS (Cost \$16,441,590)	\$	16,441,358
<b>Total Investments (Multi-Index Lifestyle Growth Portfolio) (Cost \$853,066,387) - 101.8%</b>	<b>\$</b>	<b>891,613,041</b>
<b>Other assets and liabilities, net - (1.8%)</b>		<b>(16,030,706)</b>
<b>TOTAL NET ASSETS - 100.0%</b>	<b>\$</b>	<b>875,582,335</b>

Security Abbreviations and Legend

JHF II	John Hancock Funds II
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying funds' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$16,106,864.
(D)	The rate shown is the annualized seven-day yield as of 11-30-19.

TOTAL SHORT-TERM INVESTMENTS (Cost \$9,491,568)	\$	9,491,374
<b>Total Investments (Multi-Index Lifestyle Moderate Portfolio) (Cost \$270,496,251) - 103.4%</b>	<b>\$</b>	<b>283,096,203</b>
<b>Other assets and liabilities, net - (3.4%)</b>		<b>(9,326,400)</b>
<b>TOTAL NET ASSETS - 100.0%</b>	<b>\$</b>	<b>273,769,803</b>

Security Abbreviations and Legend

JHF II	John Hancock Funds II
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying funds' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$8,955,962.
(D)	The rate shown is the annualized seven-day yield as of 11-30-19.

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Multi-Index Lifestyle Moderate Portfolio (continued)

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

## Real Estate Securities Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS - 99.4%</b>		
<b>Information technology - 1.5%</b>		
<b>IT services - 1.5%</b>		
<b>IT consulting and other services - 1.5%</b>		
InterXion Holding NV (A)(B)	76,432	\$ 6,499,778
<b>Real estate - 97.9%</b>		
<b>Equity real estate investment trusts - 97.9%</b>		
<b>Diversified REITs - 5.4%</b>		

## Real Estate Securities Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Specialized REITs - 18.0%</b>		
American Tower Corp.	43,769	\$ 9,367,879
CoreSite Realty Corp.	71,019	8,052,844
CubeSmart	41,834	1,290,161
CyrusOne, Inc.	99,621	6,206,388
Equinix, Inc.	38,973	22,091,845
Extra Space Storage, Inc.	152,477	16,170,186
Life Storage, Inc.	90,971	9,963,144
Weyerhaeuser Company	188,139	5,551,982
		78,694,429
		427,684,211
<b>TOTAL COMMON STOCKS (Cost \$330,333,052)</b>		<b>\$ 434,183,989</b>
<b>SHORT-TERM INVESTMENTS - 0.7%</b>		
<b>Short-term funds - 0.7%</b>		
John Hancock Collateral Trust, 1.7887% (C)(D)	19,128	191,400
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (C)	2,881,214	2,881,214

Essential Properties Realty Trust, Inc.	281,593	7,346,761
Liberty Property Trust	42,296	2,606,280
STORE Capital Corp.	332,436	13,533,470
		23,486,511
<b>Health care REITs – 11.7%</b>		
Healthpeak Properties, Inc.	450,106	15,699,697
Medical Properties Trust, Inc.	637,645	13,237,510
Omega Healthcare Investors, Inc.	145,864	6,130,664
Welltower, Inc.	189,687	16,041,830
		51,109,701
<b>Hotel and resort REITs – 4.0%</b>		
DiamondRock Hospitality Company	350,057	3,605,587
Host Hotels & Resorts, Inc.	100,550	1,758,620
MGM Growth Properties LLC, Class A	109,929	3,406,700
Ryman Hospitality Properties, Inc.	96,514	8,611,944
		17,382,851
<b>Industrial REITs – 13.1%</b>		
Americold Realty Trust	311,258	11,709,526
EastGroup Properties, Inc.	34,776	4,736,143
Prologis, Inc.	298,871	27,361,640
Rexford Industrial Realty, Inc.	283,035	13,546,055
		57,353,364
<b>Office REITs – 9.9%</b>		
Alexandria Real Estate Equities, Inc.	95,502	15,520,985
Douglas Emmett, Inc.	235,769	10,390,340
JBG SMITH Properties	141,792	5,654,665
Kilroy Realty Corp.	142,294	11,844,553
		43,410,543
<b>Residential REITs – 20.5%</b>		
Apartment Investment & Management Company, A Shares	259,934	13,976,651
Equity LifeStyle Properties, Inc.	219,967	16,295,155
Equity Residential	232,829	19,813,748
Essex Property Trust, Inc.	32,530	10,155,215
Invitation Homes, Inc.	474,768	14,494,667

TOTAL SHORT-TERM INVESTMENTS (Cost \$3,072,614)	\$ 3,072,614
<b>Total Investments (Real Estate Securities Fund)</b> <b>(Cost \$333,405,666) – 100.1%</b>	<b>\$ 437,256,603</b>
<b>Other assets and liabilities, net – (0.1%)</b>	<b>(565,159)</b>
<b>TOTAL NET ASSETS – 100.0%</b>	<b>\$ 436,691,444</b>

#### Security Abbreviations and Legend

- (A) Non-income producing security.  
(B) All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$186,956.  
(C) The rate shown is the annualized seven-day yield as of 11-30-19.  
(D) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

### Science & Technology Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS – 91.5%</b>		
<b>Communication services – 20.8%</b>		
<b>Entertainment – 2.1%</b>		
Activision Blizzard, Inc.	23,315	\$ 1,278,361
Electronic Arts, Inc. (A)	13,961	1,410,201
Netflix, Inc. (A)	3,584	1,127,741
Roku, Inc. (A)	2,830	453,847
Take-Two Interactive Software, Inc. (A)	13,960	1,694,046
Zynga, Inc., Class A (A)	45,105	281,004
		6,245,200
<b>Interactive media and services – 18.5%</b>		
58.com, Inc., ADR (A)	79,185	4,871,461
Alphabet, Inc., Class C (A)	15,132	19,746,655
Facebook, Inc., Class A (A)	101,586	20,483,801
Mail.Ru Group, Ltd., GDR (A)	169,872	3,419,957
NAVER Corp.	29,638	4,325,404
Snap, Inc., Class A (A)(B)	25,260	385,215
Yandex NV, Class A (A)	12,255	514,342
		53,746,835
<b>Media – 0.2%</b>		
News Corp., Class A	51,095	658,104
		60,650,139

Mid-America Apartment Communities, Inc.	108,199	14,726,966
		89,462,402
<b>Retail REITs – 15.3%</b>		
Agree Realty Corp.	115,585	8,643,446
Brixmor Property Group, Inc.	504,483	11,068,357
Kimco Realty Corp.	636,412	13,759,227
Realty Income Corp.	208,174	15,952,374
Simon Property Group, Inc.	75,377	11,397,756
Weingarten Realty Investors	187,288	5,963,250
		66,784,410

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Science & Technology Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Consumer discretionary – 12.9%</b>		
<b>Automobiles – 0.4%</b>		
Tesla, Inc. (A)(B)	3,887	\$ 1,282,477
<b>Diversified consumer services – 0.3%</b>		
GSX Techedu, Inc., ADR (A)	43,159	759,167
<b>Internet and direct marketing retail – 12.2%</b>		
Alibaba Group Holding, Ltd., ADR (A)	32,538	6,507,600
Amazon.com, Inc. (A)	3,618	6,515,294
Booking Holdings, Inc. (A)	3,877	7,381,924
Grubhub, Inc. (A)	1,535	66,189
Naspers, Ltd., N Shares	14,180	2,020,397
Prosus NV (A)	14,395	981,283
Trip.com Group, Ltd., ADR (A)	232,040	7,713,010
Zalando SE (A)(C)	100,698	4,331,404
		35,517,101
		37,558,745
<b>Health care – 1.4%</b>		
<b>Health care equipment and supplies – 0.9%</b>		
Intuitive Surgical, Inc. (A)	4,268	2,530,497
<b>Health care technology – 0.5%</b>		
Veeva Systems, Inc., Class A (A)	9,745	1,453,759
		3,984,256
<b>Industrials – 0.2%</b>		
<b>Electrical equipment – 0.1%</b>		

### Science & Technology Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Semiconductors and semiconductor equipment (continued)</b>		
Analog Devices, Inc.	3,680	\$ 415,656
Applied Materials, Inc.	45,615	2,641,109
ASML Holding NV (B)	1,540	416,755
Broadcom, Inc.	4,410	1,394,486
Cree, Inc. (A)	14,345	634,192
Infineon Technologies AG	13,507	287,856
KLA Corp.	13,340	2,185,892
Lam Research Corp.	8,145	2,173,330
Marvell Technology Group, Ltd.	38,442	1,013,716
Maxim Integrated Products, Inc.	41,941	2,376,796
Micron Technology, Inc. (A)	114,856	5,456,809
NVIDIA Corp.	32,487	7,041,232
NXP Semiconductors NV	11,585	1,338,994
ON Semiconductor Corp. (A)	9,270	199,027
QUALCOMM, Inc.	22,950	1,917,473
STMicroelectronics NV	11,900	290,900
STMicroelectronics NV (New York Stock Exchange) (B)	23,425	570,867
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	49,730	2,640,166
Teradyne, Inc.	32,695	2,046,380
Xilinx, Inc.	1,470	136,387

Bloom Energy Corp., Class A (A)(B)	43,685	284,826			39,634,859	
<b>Road and rail – 0.1%</b>						
Lyft, Inc., Class A (A)(B)	2,275	111,430		41,520	4,713,766	
Uber Technologies, Inc. (A)	5,220	154,512		1,265	158,631	
		265,942		25,845	3,285,158	
		550,768		3,420	618,678	
<b>Information technology – 56.2%</b>				9,980	587,868	
<b>Communications equipment – 0.4%</b>				2,165	332,306	
Arista Networks, Inc. (A)	1,045	203,911		4,110	238,380	
Telefonaktiebolaget LM Ericsson, ADR (B)	60,245	544,615		4,120	167,972	
Telefonaktiebolaget LM Ericsson, B Shares	20,610	185,733		2,070	55,000	
Viavi Solutions, Inc. (A)	9,245	138,860		19,163	1,521,734	
		1,073,119		24,040	2,526,844	
<b>Electronic equipment, instruments and components – 0.2%</b>				1,260	153,506	
CDW Corp.	1,830	247,142		990	149,490	
Cognex Corp.	325	16,309		3,594	930,451	
Flex, Ltd. (A)	25,530	303,039		126,669	19,175,153	
		566,490		2,065	91,583	
<b>IT services – 10.2%</b>				229,283	5,709,147	
Akamai Technologies, Inc. (A)	17,430	1,518,502		3,980	904,336	
DXC Technology Company	36,825	1,374,677		27,615	7,644,108	
EPAM Systems, Inc. (A)	2,100	444,885		13,400	1,590,446	
Fidelity National Information Services, Inc.	13,167	1,819,021		7,430	416,600	
Fiserv, Inc. (A)	17,540	2,038,850		29,935	5,162,889	
Global Payments, Inc.	11,214	2,030,855		54,742	8,916,924	
Mastercard, Inc., Class A	17,500	5,114,025		6,190	293,592	
MongoDB, Inc. (A)(B)	21,795	3,240,917		8,635	1,288,515	
Okta, Inc. (A)	39,840	5,170,435		10,967	1,546,786	
PayPal Holdings, Inc. (A)	11,490	1,241,035		3,085	468,057	
Square, Inc., Class A (A)	13,970	965,606		20,252	3,627,538	
Twilio, Inc., Class A (A)(B)	41,275	4,262,882		10,805	853,595	
Visa, Inc., Class A	2,370	437,289		41,115	2,143,325	
		29,658,979			75,272,378	
<b>Semiconductors and semiconductor equipment – 13.6%</b>				<b>Technology hardware, storage and peripherals – 5.9%</b>		
Advanced Micro Devices, Inc. (A)	113,840	4,456,836		Apple, Inc.	14,175	3,788,269
				NetApp, Inc.	25,425	1,540,501
				Pure Storage, Inc., Class A (A)	255,388	4,104,085
				Samsung Electronics Company, Ltd.	183,215	7,832,230
						17,265,085
						163,470,910
				<b>Real estate – 0.0%</b>		

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

Science & Technology Fund (continued)

Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Equity real estate investment trusts – 0.0%</b>		
Equinix, Inc.	235	\$ 133,210
<b>TOTAL COMMON STOCKS (Cost \$219,279,167)</b>		<b>\$ 266,348,028</b>
<b>PREFERRED SECURITIES – 0.9%</b>		
<b>Consumer discretionary – 0.6%</b>		
<b>Internet and direct marketing retail – 0.6%</b>		
Airbnb, Inc., Series E (A)(D)(E)	16,398	1,857,565
<b>Information technology – 0.3%</b>		
<b>Software – 0.3%</b>		
DiDi Chuxing, Inc. (A)(D)(E)	16,798	855,557
<b>TOTAL PREFERRED SECURITIES (Cost \$1,987,267)</b>		<b>\$ 2,713,122</b>
<b>SHORT-TERM INVESTMENTS – 10.0%</b>		
<b>Short-term funds – 8.2%</b>		
John Hancock Collateral Trust, 1.7887% (F)(G)	820,577	8,210,938
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (F)	2,657,241	2,657,241
T. Rowe Price Government Reserve Fund, 1.6309% (F)	12,863,460	12,863,460
		23,731,639
<b>Repurchase agreement – 1.8%</b>		
Repurchase Agreement with State Street Corp. dated 11-29-19 at 0.550% to be repurchased at \$5,225,239 on 12-2-19, collateralized by \$5,200,000 U.S. Treasury Notes, 2.875% due 10-15-21 (maturity value of \$5,332,964)	\$ 5,225,000	5,225,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$28,956,662)</b>		<b>\$ 28,956,639</b>
<b>Total Investments (Science &amp; Technology Fund) (Cost \$250,223,096) – 102.4%</b>		<b>\$ 298,017,789</b>
<b>Other assets and liabilities, net – (2.4%)</b>		<b>(6,931,119)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 291,086,670</b>

Security Abbreviations and Legend

ADR	American Depositary Receipt
GDR	Global Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$8,041,265.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	Direct placement securities are restricted as to resale, and the fund has limited rights to registration under the Securities Act of 1933. For more information on this security refer to the Notes to Portfolio of Investments.
(E)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
(F)	The rate shown is the annualized seven-day yield as of 11-30-19.

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Diversified telecommunication services – 1.8%</b>		
Anterix, Inc. (A)	1,393	\$ 59,161
AT&T, Inc.	1,092,488	40,837,201
ATN International, Inc.	1,465	82,260
Bandwidth, Inc., Class A (A)	2,041	114,153
BCE, Inc.	25,783	1,238,974
BT Group PLC	863,695	2,138,285
Cellnex Telecom SA (A)(B)	41,188	1,768,336
CenturyLink, Inc. (C)	146,776	2,126,784
China Telecom Corp., Ltd., H Shares	1,943,296	735,422
China Tower Corp., Ltd., H Shares (B)	5,918,400	1,209,414
China Unicom Hong Kong, Ltd.	861,816	738,292
Chunghwa Telecom Company, Ltd.	510,479	1,890,919
Cincinnati Bell, Inc. (A)	6,646	43,133
Cogent Communications Holdings, Inc.	5,334	334,335
Consolidated Communications Holdings, Inc.	9,516	34,543
Deutsche Telekom AG	561,231	9,422,762
Elisa OYJ	5,265	281,405
HKT Trust & HKT, Ltd.	132,322	194,059
IDT Corp., Class B (A)	2,332	16,627
Iliad SA (C)	5,346	680,517
Intelsat SA (A)(C)	8,652	52,604
Iridium Communications, Inc. (A)	12,660	294,978
Koninklijke KPN NV	530,257	1,633,108
LG Uplus Corp.	25,103	285,066
Nippon Telegraph & Telephone Corp.	115,600	5,840,004
Ooma, Inc. (A)	2,669	37,046
Orange Polska SA (A)	61,786	100,694
Orange SA (C)	404,223	6,678,968
ORBCOMM, Inc. (A)	10,006	40,124
PCCW, Ltd.	125,000	75,374
Proximus SADP (C)	45,627	1,376,336

(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.

## Strategic Equity Allocation Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS – 96.2%</b>		
<b>Communication services – 8.4%</b>		
		434,797
		2,601,565
		511,137
		2,094,658
		1,204,658
		813,039
		449,495
		5,893,336
		36,655
		436,802
		801,489
		2,077,770
		136,500
		563,497
		1,260,010
		87,930
		172,287
		661
		703,993
		37,251,392
		228,354
		138,120,909
<b>Entertainment – 1.4%</b>		
		6,498,342
		340,635
		55,379
		440,241
		957,708
		4,599,692
		26,737
		13,593

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Entertainment (continued)</b>		
Glu Mobile, Inc. (A)	14,908	\$ 82,441
IMAX Corp. (A)	6,711	144,287
iQIYI, Inc., ADR (A)(C)	17,900	342,785
Konami Holdings Corp.	16,500	726,931
Liberty Media Corp.-Liberty Braves, Class A (A)	1,555	44,146
Liberty Media Corp.-Liberty Braves, Class C (A)	4,351	123,133
Live Nation Entertainment, Inc. (A)	36,885	2,574,942
NCSOFT Corp.	3,743	1,564,116
NetEase, Inc., ADR	9,904	3,122,929
Netflix, Inc. (A)	67,653	21,287,693
Netmarble Corp. (A)(B)	5,852	437,259
Nexon Company, Ltd. (A)	88,400	1,207,680
Nintendo Company, Ltd.	20,139	7,798,535
Pearl Abyss Corp. (A)	1,472	231,218
Reading International, Inc., Class A (A)	2,316	24,851
Rosetta Stone, Inc. (A)	2,741	42,595
Take-Two Interactive Software, Inc. (A)	17,488	2,122,169
Tencent Music Entertainment Group, ADR (A)(C)	13,100	162,833
The Marcus Corp.	2,876	90,479
The Walt Disney Company	278,343	42,191,232
Toho Company, Ltd.	20,100	816,896
Ubisoft Entertainment SA (A)	16,951	1,029,637
Viacom, Inc., Class B	54,694	1,316,485
Vivendi SA	185,780	5,099,938
World Wrestling Entertainment, Inc., Class A (C)	12,615	782,382
		106,299,919
<b>Interactive media and services – 3.3%</b>		
58.com, Inc., ADR (A)	13,300	818,216
Alphabet, Inc., Class A (A)	46,283	60,357,197
Alphabet, Inc., Class C (A)	46,693	60,932,497
Auto Trader Group PLC (B)	93,470	678,922
Autohome, Inc., ADR (A)	8,300	564,815
Baidu, Inc., ADR (A)	39,200	4,646,376
Care.com, Inc. (A)	2,876	36,036
CarGurus, Inc. (A)	9,481	380,093

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Media – 1.1%</b>		
AMC Networks, Inc., Class A (A)	11,712	\$ 450,092
Axel Springer SE (C)	5,209	365,395
Axel Springer SE, Tender Offer (A)	2,747	189,381
Boston Omaha Corp., Class A (A)	1,404	29,947
Cable One, Inc.	1,332	2,044,620
Cardlytics, Inc. (A)	1,762	98,760
CBS Corp., Class B	50,563	2,041,734
Central European Media Enterprises, Ltd., Class A (A)	11,631	52,340
Charter Communications, Inc., Class A (A)	24,982	11,741,790
Cheil Worldwide, Inc.	15,685	314,424
China Literature, Ltd. (A)(B)(C)	36,200	138,987
Clear Channel Outdoor Holdings, Inc. (A)	6,987	17,328
Comcast Corp., Class A	700,816	30,941,026
comScore, Inc. (A)	6,723	27,497
Cumulus Media, Inc., Class A (A)	1,845	31,992
CyberAgent, Inc.	18,100	625,448
Cyfrowy Polsat SA	24,235	172,503
Daily Journal Corp. (A)(C)	150	42,615
Dentsu, Inc.	38,844	1,410,420
Discovery, Inc., Series A (A)(C)	24,420	804,395
Discovery, Inc., Series C (A)	53,608	1,636,116
DISH Network Corp., Class A (A)	39,187	1,339,020
Emerald Expositions Events, Inc.	3,439	34,424
Entercom Communications Corp., Class A (C)	16,136	76,323
Entravision Communications Corp., Class A	8,028	22,800
Eutelsat Communications SA	35,074	575,387
Fox Corp., Class A	54,766	1,958,432
Fox Corp., Class B	25,088	877,578
Gannett Company, Inc.	15,477	98,434
Gray Television, Inc. (A)	11,640	235,594
Grupo Televisa SAB	326,597	715,018
Hakuhodo DY Holdings, Inc.	41,600	673,091
Hemisphere Media Group, Inc. (A)	2,505	35,070
Informa PLC	127,270	1,302,281
ITV PLC	369,242	692,462
JCDecaux SA	14,881	426,321

Cars.com, Inc. (A)	8,567	113,855	John Wiley & Sons, Inc., Class A	11,679	551,950
DHI Group, Inc. (A)	6,993	23,566	Liberty Latin America, Ltd., Class A (A)	6,283	111,837
Eventbrite, Inc., Class A (A)	4,717	101,463	Liberty Latin America, Ltd., Class C (A)	14,201	254,766
EverQuote, Inc., Class A (A)	1,147	40,386	Loral Space & Communications, Inc. (A)	1,698	57,494
Facebook, Inc., Class A (A)	371,724	74,954,427	Marchex, Inc., Class B (A)	5,393	21,680
Kakaku.com, Inc.	24,000	579,760	MDC Partners, Inc., Class A (A)	8,097	18,866
Kakao Corp.	11,368	1,498,507	Media General, Inc. (A)(D)	18,354	1,762
Liberty TripAdvisor Holdings, Inc., Class A (A)	9,474	65,655	Megacable Holdings SAB de CV	40,000	142,261
LINE Corp. (A)(C)	10,600	499,180	Meredith Corp.	15,731	551,214
Momo, Inc., ADR	21,200	793,516	MSG Networks, Inc., Class A (A)	7,488	121,605
NAVER Corp.	31,852	4,648,518	MultiChoice Group, Ltd. (A)	67,373	556,755
QuinStreet, Inc. (A)	5,842	91,953	National CineMedia, Inc.	7,995	53,646
REA Group, Ltd.	2,615	185,108	News Corp., Class A	59,582	767,416
SINA Corp. (A)	8,800	307,032	News Corp., Class B	18,824	247,912
Tencent Holdings, Ltd.	805,312	33,980,240	Omnicom Group, Inc.	33,611	2,671,402
The Meet Group, Inc. (A)	9,410	45,544	Pearson PLC	79,557	666,125
TripAdvisor, Inc.	16,223	460,733	Publicis Groupe SA	42,962	1,887,690
TrueCar, Inc. (A)	13,599	71,395	Quebecor, Inc., Class B	29,831	742,687
Twitter, Inc. (A)	119,445	3,692,045	RTL Group SA	6,420	306,259
Weibo Corp., ADR (A)(C)	7,800	333,918	Schibsted ASA, B Shares	5,843	150,551
Yelp, Inc. (A)	25,969	900,605	Scholastic Corp.	3,823	141,948
YY, Inc., ADR (A)	7,900	503,941	SES SA	73,758	978,799
Z Holdings Corp.	476,907	1,643,764	Shaw Communications, Inc., Class B	75,247	1,563,515
		253,949,263	Singapore Press Holdings, Ltd.	241,600	388,808

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Media (continued)</b>		
Surya Citra Media Tbk PT	188,800	\$ 16,051
TechTarget, Inc. (A)	2,927	77,624
TEGNA, Inc.	85,125	1,306,669
Telenet Group Holding NV	13,748	620,265
The EW Scripps Company, Class A	7,036	104,977
The Interpublic Group of Companies, Inc.	59,833	1,340,259
The New York Times Company, Class A	38,121	1,229,402
Tribune Publishing Company	2,433	30,461
WideOpenWest, Inc. (A)	3,562	21,835
WPP PLC	129,180	1,668,066

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Auto components (continued)</b>		
China First Capital Group, Ltd. (A)	416,700	\$ 21,818
Cie Generale des Etablissements Michelin SCA	34,687	4,159,744
Continental AG	18,552	2,424,719
Cooper Tire & Rubber Company	6,412	184,794
Cooper-Standard Holdings, Inc. (A)	2,142	60,897
Dana, Inc.	56,573	958,912
Delphi Technologies PLC (A)	23,104	287,876
Denso Corp.	77,916	3,482,014
Dorman Products, Inc. (A)	3,432	255,066
Faurecia SE	15,494	821,328
Fox Factory Holding Corp. (A)	4,799	316,398

		81,611,602	Fuyao Glass Industry Group Company, Ltd., H Shares (B)	70,300	207,387
<b>Wireless telecommunication services – 0.8%</b>			Gentex Corp.	67,574	1,919,102
1&1 Drillisch AG (C)	9,033	238,786	Gentherm, Inc. (A)	4,223	176,733
Advanced Info Service PCL	118,100	828,399	Hankook Tire & Technology Company, Ltd.	16,917	477,282
America Movil SAB de CV, Series L	4,564,500	3,500,480	Hanon Systems	42,409	388,247
Axiata Group BHD	96,353	95,285	Hyundai Mobis Company, Ltd.	15,189	3,153,883
Boingo Wireless, Inc. (A)	5,683	65,411	Koito Manufacturing Company, Ltd.	18,776	968,499
China Mobile, Ltd.	865,470	6,525,243	LCI Industries	3,094	329,387
DiGi.Com BHD	103,520	111,102	Linamar Corp.	510	17,070
Empresa Nacional de Telecomunicaciones SA (A)	9,258	56,729	Magna International, Inc.	48,670	2,678,444
Far EasTone Telecommunications Company, Ltd.	206,595	495,023	Modine Manufacturing Company (A)	6,585	48,861
Globe Telecom, Inc.	4,055	154,789	Motorcar Parts of America, Inc. (A)	2,442	47,643
Gogo, Inc. (A)(C)	7,341	37,145	Nexteer Automotive Group, Ltd.	124,484	104,308
Intouch Holdings PCL, Foreign Quota Shares	223,700	434,871	NGK Spark Plug Company, Ltd.	28,000	560,965
KDDI Corp.	317,167	9,112,480	Nokian Renkaat OYJ	4,656	125,992
Maxis BHD	77,360	96,029	Pirelli & C. SpA (B)	85,165	482,232
Millicom International Cellular SA (C)	11,459	512,621	Standard Motor Products, Inc.	2,685	135,243
MTN Group, Ltd.	263,408	1,659,395	Stanley Electric Company, Ltd.	23,300	645,577
NTT DOCOMO, Inc.	239,300	6,570,317	Stoneridge, Inc. (A)	3,376	101,753
PLDT, Inc.	10,435	221,505	Sumitomo Electric Industries, Ltd.	135,300	2,021,910
Rogers Communications, Inc., Class B	57,567	2,782,354	Sumitomo Rubber Industries, Ltd.	30,200	383,988
Shenandoah Telecommunications Company	6,150	230,933	Tenneco, Inc., Class A	6,573	81,439
SK Telecom Company, Ltd.	4,620	961,000	The Goodyear Tire & Rubber Company	61,671	986,119
Softbank Corp.	299,600	4,069,847	The Yokohama Rubber Company, Ltd.	21,200	437,036
SoftBank Group Corp.	296,552	11,536,583	Toyota Gosei Company, Ltd.	11,600	271,206
Spok Holdings, Inc.	2,496	30,726	Toyota Industries Corp.	26,329	1,548,097
Taiwan Mobile Company, Ltd.	212,000	795,668	Valeo SA	48,849	1,923,840
Tele2 AB, B Shares	87,573	1,292,148	Visteon Corp. (A)	10,975	1,026,492
Telephone & Data Systems, Inc.	25,878	613,567			42,611,941
TIM Participacoes SA	45,389	146,876	<b>Automobiles – 1.2%</b>		
T-Mobile US, Inc. (A)	47,268	3,712,901	Astra International Tbk PT	638,608	294,075
Total Access Communication PCL, Foreign Quota Shares	69,500	123,105	BAIC Motor Corp., Ltd., H Shares (B)	232,700	130,435
Turkcell Iletisim Hizmetleri AS	73,392	172,691	Bayerische Motoren Werke AG	55,622	4,485,702
Vodacom Group, Ltd.	99,685	824,013	Brilliance China Automotive Holdings, Ltd.	426,300	439,823
Vodafone Group PLC	2,735,302	5,416,440	BYD Company, Ltd., H Shares (C)	90,194	426,742
		63,424,462	Daimler AG	153,405	8,634,832
		643,406,155	Dongfeng Motor Group Company, Ltd., H Shares	381,680	366,575
<b>Consumer discretionary – 10.8%</b>			Ferrari NV	26,188	4,419,912
<b>Auto components – 0.6%</b>			Fiat Chrysler Automobiles NV	233,406	3,435,215
Adient PLC (A)	34,340	750,672	Ford Motor Company	233,429	2,114,867
Aisin Seiki Company, Ltd.	29,200	1,105,321	Ford Otomotiv Sanayi AS	4,499	49,871
American Axle & Manufacturing Holdings, Inc. (A)	14,293	140,929	Geely Automobile Holdings, Ltd.	705,000	1,318,426
Aptiv PLC	15,259	1,432,515	General Motors Company	74,836	2,694,096
BorgWarner, Inc.	12,301	517,257	Great Wall Motor Company, Ltd., H Shares	435,250	336,288
Bridgestone Corp.	102,400	4,095,732	Guangzhou Automobile Group Company, Ltd., H Shares	415,346	443,498
Cheng Shin Rubber Industry Company, Ltd.	254,730	347,214	Harley-Davidson, Inc.	9,336	339,644
			Honda Motor Company, Ltd.	293,227	8,242,471

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Automobiles (continued)</b>		
Hyundai Motor Company	33,905	\$ 3,479,135
Isuzu Motors, Ltd.	99,300	1,162,770
Kia Motors Corp.	60,056	2,201,199
Mazda Motor Corp.	101,780	903,176
Mitsubishi Motors Corp.	120,000	537,717
NIO, Inc., ADR (A)(C)	92,900	210,883
Nissan Motor Company, Ltd.	416,925	2,574,518
Peugeot SA	119,781	2,890,403
Renault SA	39,164	1,874,122
Subaru Corp.	110,500	2,895,974
Suzuki Motor Corp.	66,000	2,930,245
Thor Industries, Inc.	14,604	931,297
Toyota Motor Corp.	410,100	28,690,059
Volkswagen AG	5,517	1,050,063
Winnebago Industries, Inc.	3,954	187,934
Yamaha Motor Company, Ltd.	50,300	1,051,824
		91,743,791
<b>Distributors – 0.1%</b>		
Core-Mark Holding Company, Inc.	5,826	157,011
Funko, Inc., Class A (A)	2,354	33,592
Genuine Parts Company	27,964	2,918,603
Jardine Cycle & Carriage, Ltd.	15,054	337,681
LKQ Corp. (A)	58,999	2,081,485
Pool Corp.	10,588	2,185,893
Weyco Group, Inc.	915	22,463
		7,736,728
<b>Diversified consumer services – 0.2%</b>		
Adtalem Global Education, Inc. (A)	21,788	734,909
American Public Education, Inc. (A)	2,046	50,659
Benesse Holdings, Inc.	12,700	335,368
Career Education Corp. (A)	8,802	146,817
Carriage Services, Inc.	2,130	51,227
Chegg, Inc. (A)	14,767	572,517
China Education Group Holdings, Ltd. (C)	86,000	116,451
Cogna Educacao	79,480	194,678
Collectors Universe, Inc.	1,026	26,953
Graham Holdings Company, Class B	1,154	728,878
H&R Block, Inc.	29,501	719,234

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Hotels, restaurants and leisure (continued)</b>		
Caesars Entertainment Corp. (A)	147,406	\$ 1,922,174
Carnival Corp.	58,850	2,652,958
Carnival PLC	16,783	702,177
Carrols Restaurant Group, Inc. (A)	4,540	35,957
Century Casinos, Inc. (A)	3,920	31,752
Chipotle Mexican Grill, Inc. (A)	3,749	3,051,386
Churchill Downs, Inc.	13,915	1,809,089
Chuy's Holdings, Inc. (A)	2,164	62,366
Compass Group PLC	161,981	3,968,918
Cracker Barrel Old Country Store, Inc.	8,809	1,354,296
Crown Resorts, Ltd.	18,618	162,818
Darden Restaurants, Inc.	18,051	2,137,960
Dave & Buster's Entertainment, Inc.	4,649	186,797
Del Taco Restaurants, Inc. (A)	3,925	29,398
Denny's Corp. (A)	7,396	144,518
Dine Brands Global, Inc.	2,077	172,142
Domino's Pizza, Inc.	10,936	3,218,465
Drive Shack, Inc. (A)	8,015	30,778
Dunkin' Brands Group, Inc.	21,939	1,679,430
El Pollo Loco Holdings, Inc. (A)	2,753	44,378
Eldorado Resorts, Inc. (A)(C)	25,722	1,376,384
Everi Holdings, Inc. (A)	8,842	119,102
Fiesta Restaurant Group, Inc. (A)	3,229	31,967
Flight Centre Travel Group, Ltd.	2,871	85,679
Flutter Entertainment PLC	11,811	1,353,547
Galaxy Entertainment Group, Ltd.	82,000	536,964
Genting BHD	78,200	109,139
Genting Malaysia BHD	105,260	79,115
Genting Singapore, Ltd.	917,700	620,649
Golden Entertainment, Inc. (A)	2,339	42,383
GVC Holdings PLC	59,660	656,898
Haidilao International Holding, Ltd. (B)(C)	53,000	222,759
Hilton Worldwide Holdings, Inc.	42,160	4,426,800
Huazhu Group, Ltd., ADR (C)	18,700	639,727
InterContinental Hotels Group PLC	17,589	1,136,874
J Alexander's Holdings, Inc. (A)	1,747	18,116
Jack in the Box, Inc.	10,126	802,891
Jollibee Foods Corp.	53,100	200,563
Kangwon Land, Inc.	26,851	667,889
Las Vegas Sands Corp.	49,781	3,123,758

Houghton Mifflin Harcourt Company (A)	13,431	78,840	Lindblad Expeditions Holdings, Inc. (A)	2,986	46,283
K12, Inc. (A)	4,939	97,051	Marriott International, Inc., Class A	40,178	5,639,384
Laureate Education, Inc., Class A (A)	13,295	230,668	Marriott Vacations Worldwide Corp.	15,734	1,932,765
New Oriental Education & Technology Group, Inc., ADR (A)	20,100	2,433,708	McDonald's Corp.	111,618	21,707,469
OneSpaWorld Holdings, Ltd. (A)(C)	5,849	95,514	McDonald's Holdings Company Japan, Ltd.	11,600	573,695
Regis Corp. (A)	3,606	58,165	Melco Resorts & Entertainment, Ltd., ADR	8,100	172,368
Select Interior Concepts, Inc., Class A (A)	2,832	29,170	MGM China Holdings, Ltd.	37,000	55,035
Service Corp. International	48,367	2,129,115	MGM Resorts International	76,636	2,448,520
Strategic Education, Inc.	2,718	385,249	Minor International PCL, Foreign Quota Shares	249,930	318,324
TAL Education Group, ADR (A)	54,362	2,406,062	Minor International PCL, NVDR	21,700	27,638
WW International, Inc. (A)	18,286	791,601	Monarch Casino & Resort, Inc. (A)	1,492	68,035
		12,412,834	Nathan's Famous, Inc.	382	28,478
<b>Hotels, restaurants and leisure – 1.7%</b>			Noodles & Company (A)	3,793	23,896
Accor SA	37,164	1,589,767	Norwegian Cruise Line Holdings, Ltd. (A)	31,687	1,699,691
Alsea SAB de CV (A)	72,900	198,671	Oriental Land Company, Ltd.	35,900	4,969,400
Altus San Nicolas Corp. (A)(D)	4,667	476	Papa John's International, Inc. (C)	8,629	546,043
Aristocrat Leisure, Ltd.	29,742	683,081	Penn National Gaming, Inc. (A)	42,911	988,240
BBX Capital Corp.	9,017	41,298	PlayAGS, Inc. (A)	3,434	39,457
Biglari Holdings, Inc., Class B (A)	137	15,454	Potbelly Corp. (A)	3,224	16,313
BJ's Restaurants, Inc.	2,623	107,936	RCI Hospitality Holdings, Inc.	1,268	23,331
Bloomin' Brands, Inc.	11,083	266,546			
Boyd Gaming Corp.	31,514	926,827			
Brinker International, Inc.	14,690	658,112			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Hotels, restaurants and leisure (continued)</b>		
Red Robin Gourmet Burgers, Inc. (A)	1,643	\$ 44,805
Red Rock Resorts, Inc., Class A	8,998	210,553
Restaurant Brands International, Inc.	38,208	2,506,258
Royal Caribbean Cruises, Ltd.	25,256	3,031,176
Ruth's Hospitality Group, Inc.	3,633	84,903
Sands China, Ltd.	92,452	437,807
Scientific Games Corp. (A)(C)	21,480	587,693
SeaWorld Entertainment, Inc. (A)(C)	6,008	175,914
Shake Shack, Inc., Class A (A)	3,693	228,892
Shangri-La Asia, Ltd.	46,500	48,237
Six Flags Entertainment Corp.	20,808	904,732
SJM Holdings, Ltd.	75,384	76,887
Sodexo SA	17,847	2,080,234

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Household durables (continued)</b>		
MDC Holdings, Inc.	6,285	\$ 248,697
Meritage Homes Corp. (A)	4,569	304,021
Mohawk Industries, Inc. (A)	8,022	1,118,026
Newell Brands, Inc.	51,043	981,046
Nien Made Enterprise Company, Ltd.	22,300	204,538
Nikon Corp.	57,700	792,259
NVR, Inc. (A)	460	1,744,269
Panasonic Corp.	397,320	3,748,838
Persimmon PLC	32,682	1,080,734
PulteGroup, Inc.	34,527	1,368,996
Rinnai Corp.	6,000	460,942
SEB SA	4,596	714,096
Sekisui Chemical Company, Ltd.	65,400	1,139,617

Starbucks Corp.	175,927	15,029,444	Sekisui House, Ltd.	111,900	2,420,022
Tabcorp Holdings, Ltd.	103,922	337,388	Sharp Corp.	38,540	582,562
Target Hospitality Corp. (A)	4,528	21,417	Skyline Champion Corp. (A)	6,448	213,945
Texas Roadhouse, Inc.	25,757	1,491,330	Sonos, Inc. (A)	9,048	125,315
The Cheesecake Factory, Inc. (C)	16,184	705,784	Sony Corp.	228,400	14,493,777
The Habit Restaurants, Inc., Class A (A)	2,753	29,292	Tatung Company, Ltd. (A)	256,000	185,074
The Stars Group, Inc. (A)	36,292	880,866	Taylor Morrison Home Corp. (A)	13,281	308,385
The Wendy's Company	48,930	1,049,059	Taylor Wimpey PLC	337,363	759,932
TUI AG	45,132	618,614	Tempur Sealy International, Inc. (A)	12,212	1,036,555
Twin River Worldwide Holdings, Inc. (C)	2,570	62,451	The Berkeley Group Holdings PLC	12,499	740,927
Whitbread PLC	13,592	807,313	The Lovesac Company (A)(C)	1,237	18,877
Wingstop, Inc.	3,730	298,400	Toll Brothers, Inc.	34,266	1,376,465
Wyndham Destinations, Inc.	24,461	1,186,359	TopBuild Corp. (A)	4,299	474,094
Wyndham Hotels & Resorts, Inc.	25,576	1,481,618	TRI Pointe Group, Inc. (A)	55,670	867,339
Wynn Macau, Ltd.	60,150	132,283	Tupperware Brands Corp.	6,423	54,274
Wynn Resorts, Ltd.	14,235	1,720,300	Universal Electronics, Inc. (A)	1,735	96,466
Yum China Holdings, Inc.	50,708	2,257,520	Whirlpool Corp.	8,509	1,217,638
Yum! Brands, Inc.	44,722	4,502,164	William Lyon Homes, Class A (A)	4,062	84,815
			Woongjin Coway Company, Ltd.	11,773	893,797
			ZAGG, Inc. (A)	3,810	29,261
		128,491,187			57,343,752
<b>Household durables – 0.7%</b>			<b>Internet and direct marketing retail – 2.2%</b>		
Arcelik AS (A)	13,444	46,999	1-800-Flowers.com, Inc., Class A (A)	3,239	43,629
Barratt Developments PLC	104,047	897,009	Alibaba Group Holding, Ltd., ADR (A)	200,556	40,111,200
Bassett Furniture Industries, Inc.	1,511	22,997	Amazon.com, Inc. (A)	45,113	81,239,490
Beazer Homes USA, Inc. (A)	3,618	55,428	B2W Cia Digital (A)	11,000	145,499
Casio Computer Company, Ltd.	34,900	666,171	Baozun, Inc., ADR (A)(C)	5,700	216,429
Cavco Industries, Inc. (A)	1,106	221,211	Booking Holdings, Inc. (A)	4,616	8,789,002
Century Communities, Inc. (A)	3,310	94,335	CJ ENM Company, Ltd.	2,450	316,560
D.R. Horton, Inc.	45,078	2,495,067	Delivery Hero SE (A)(B)	18,984	1,002,590
Electrolux AB, B Shares	39,793	1,022,629	Duluth Holdings, Inc., Class B (A)	1,607	14,833
Ethan Allen Interiors, Inc.	3,149	56,304	eBay, Inc.	85,604	3,040,654
Flexsteel Industries, Inc.	1,154	21,211	Etsy, Inc. (A)	31,950	1,386,311
Garmin, Ltd.	19,353	1,890,595	Expedia Group, Inc.	15,183	1,543,504
GoPro, Inc., Class A (A)(C)	15,970	64,519	Groupon, Inc. (A)	57,882	167,858
Green Brick Partners, Inc. (A)	3,183	36,318	Grubhub, Inc. (A)	24,230	1,044,798
Haier Electronics Group Company, Ltd.	178,200	495,332	HengTen Networks Group, Ltd. (A)	3,181,300	45,929
Hamilton Beach Brands Holding Company, Class A	989	19,444	JD.com, Inc., ADR (A)	104,100	3,398,865
Hamilton Beach Brands Holding Company, Class B	765	15,040	Lands' End, Inc. (A)	1,482	17,458
Helen of Troy, Ltd. (A)	9,845	1,589,180	Liquidity Services, Inc. (A)	3,629	25,367
Hooker Furniture Corp.	1,586	37,763	Meituan Dianping, Class B (A)	141,500	1,867,228
Husqvarna AB, B Shares	73,420	573,324	Mercari, Inc. (A)	13,400	295,805
Iida Group Holdings Company, Ltd.	26,500	471,328	Naspers, Ltd., N Shares	68,253	9,724,834
Installed Building Products, Inc. (A)	2,881	206,568	Ocado Group PLC (A)	46,463	795,999
iRobot Corp. (A)(C)	3,515	153,113	Overstock.com, Inc. (A)	3,624	27,506
KB Home	33,531	1,159,502	PetMed Express, Inc. (C)	2,514	57,395
La-Z-Boy, Inc.	5,707	180,341	Pinduoduo, Inc., ADR (A)(C)	27,200	977,840
Leggett & Platt, Inc.	17,611	921,408	Prosus NV (A)	72,613	4,949,908
Lennar Corp., A Shares	38,095	2,272,367	Quotient Technology, Inc. (A)	9,566	99,773
LG Electronics, Inc.	24,316	1,441,225	Rakuten, Inc.	154,242	1,340,128
LGI Homes, Inc. (A)	2,532	182,988	Shutterstock, Inc. (A)	2,445	101,663
M/I Homes, Inc. (A)	3,353	148,437	Stamps.com, Inc. (A)	2,141	186,802

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Internet and direct marketing retail (continued)</b>		
Stitch Fix, Inc., Class A (A)(C)	5,348	\$ 126,106
The RealReal, Inc. (A)(C)	2,272	39,078
The Rubicon Project, Inc. (A)	6,200	50,096
Trip.com Group, Ltd., ADR (A)	66,400	2,207,136
Vipshop Holdings, Ltd., ADR (A)	61,800	789,804
Zalando SE (A)(B)	23,296	1,002,050
ZOZO, Inc. (C)	36,300	722,611
		167,911,738
<b>Leisure products – 0.2%</b>		
Acushnet Holdings Corp.	4,478	134,653
American Outdoor Brands Corp. (A)	7,076	61,844
Bandai Namco Holdings, Inc.	35,900	2,177,566
Brunswick Corp.	22,737	1,336,253
Callaway Golf Company	11,896	247,199
Clarus Corp.	3,093	38,941
Giant Manufacturing Company, Ltd.	40,661	294,444
Hasbro, Inc.	16,869	1,715,577
HLB, Inc. (A)	7,588	743,155
Johnson Outdoors, Inc., Class A	639	41,279
Malibu Boats, Inc., Class A (A)	2,688	106,284
Marine Products Corp.	1,142	17,278
MasterCraft Boat Holdings, Inc. (A)	2,504	41,591
Mattel, Inc. (A)(C)	91,646	1,072,258
Polaris, Inc.	15,239	1,488,850
Sankyo Company, Ltd.	7,584	256,643
Sega Sammy Holdings, Inc.	30,700	443,361
Shimano, Inc.	13,300	2,152,693
Sturm Ruger & Company, Inc.	2,138	97,386
Vista Outdoor, Inc. (A)	7,458	61,752
Yamaha Corp.	25,800	1,422,739
YETI Holdings, Inc. (A)(C)	5,153	163,968
		14,115,714
<b>Multiline retail – 0.4%</b>		
Big Lots, Inc. (C)	4,975	103,978
Canadian Tire Corp., Ltd., Class A	9,406	1,091,784
Dillard's, Inc., Class A (C)	4,025	288,995
Dollar General Corp.	36,274	5,708,077
Dollar Tree, Inc. (A)	33,389	3,053,758
Dollarama, Inc.	47,184	1,729,216

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Multiline retail (continued)</b>		
Woolworths Holdings, Ltd.	152,420	\$ 541,723
		34,636,946
<b>Specialty retail – 2.1%</b>		
Aaron's, Inc.	26,478	1,546,315
ABC-Mart, Inc.	5,767	384,354
Abercrombie & Fitch Company, Class A	8,416	134,404
Advance Auto Parts, Inc.	13,972	2,194,722
American Eagle Outfitters, Inc.	62,785	939,891
America's Car-Mart, Inc. (A)	798	87,189
Asbury Automotive Group, Inc. (A)	2,449	271,447
At Home Group, Inc. (A)(C)	6,205	53,239
AutoNation, Inc. (A)	15,593	796,646
AutoZone, Inc. (A)	4,801	5,655,194
Barnes & Noble Education, Inc. (A)	5,608	28,264
Bed Bath & Beyond, Inc. (C)	49,504	721,768
Best Buy Company, Inc.	45,396	3,660,733
Boot Barn Holdings, Inc. (A)	3,573	142,277
Caleres, Inc.	5,221	114,288
Camping World Holdings, Inc., Class A (C)	4,370	52,615
CarMax, Inc. (A)	32,408	3,152,002
Chico's FAS, Inc.	15,354	73,239
Citi Trends, Inc.	1,536	31,534
Conn's, Inc. (A)	2,568	56,316
Designer Brands, Inc., Class A	8,366	138,039
Dick's Sporting Goods, Inc.	17,475	800,530
Dufry AG (A)	6,766	660,513
Express, Inc. (A)	8,572	33,688
Fast Retailing Company, Ltd.	10,500	6,401,354
Five Below, Inc. (A)	14,765	1,826,578
Foot Locker, Inc.	29,096	1,165,295
GameStop Corp., Class A (C)	11,596	73,519
Genesco, Inc. (A)	2,031	75,431
GNC Holdings, Inc., Class A (A)	10,948	32,187
GOME Retail Holdings, Ltd. (A)(C)	1,300,541	114,625
Group 1 Automotive, Inc.	2,245	231,437
Guess?, Inc. (C)	6,384	122,892
Haverty Furniture Companies, Inc.	2,270	45,650

El Puerto de Liverpool SAB de CV, Series C1	25,375	125,485	Hennes & Mauritz AB, B Shares (C)	141,327	2,727,854
Harvey Norman Holdings, Ltd.	28,629	83,404	Hibbett Sports, Inc. (A)	2,255	63,974
Hyundai Department Store Company, Ltd.	3,231	228,145	Hikari Tsushin, Inc.	3,700	863,525
Isetan Mitsukoshi Holdings, Ltd.	59,640	531,323	Home Product Center PCL, Foreign Quota Shares	568,673	310,293
J Front Retailing Company, Ltd.	40,800	536,658	Home Product Center PCL, NVDR	11,000	6,002
J.C. Penney Company, Inc. (A)(C)	41,248	46,610	Hotai Motor Company, Ltd.	41,000	802,960
Kohl's Corp.	22,454	1,055,563	Hotel Shilla Company, Ltd.	7,172	515,439
Lojas Renner SA	41,925	512,959	Hudson, Ltd., Class A (A)	5,138	71,470
Lotte Shopping Company, Ltd.	2,589	291,201	Industria de Diseno Textil SA	179,665	5,590,193
Macy's, Inc.	43,590	667,799	Kingfisher PLC	216,269	586,292
Magazine Luiza SA	32,600	348,045	L Brands, Inc.	45,441	869,741
Marks & Spencer Group PLC	198,549	498,780	Lithia Motors, Inc., Class A	2,814	451,872
Marui Group Company, Ltd.	33,900	816,594	Lowe's Companies, Inc.	151,055	17,720,262
Next PLC	13,802	1,205,961	Lumber Liquidators Holdings, Inc. (A)	3,812	33,965
Nordstrom, Inc. (C)	15,083	575,718	MarineMax, Inc. (A)	2,795	46,285
Ollie's Bargain Outlet Holdings, Inc. (A)(C)	14,504	948,562	Monro, Inc.	4,165	305,711
Pan Pacific International Holdings Corp.	79,000	1,282,022	Mr. Price Group, Ltd.	39,564	472,411
Robinson PCL, Foreign Quota Shares	50,100	108,986	Murphy USA, Inc. (A)	11,849	1,392,613
Ryohin Keikaku Company, Ltd.	42,700	973,244	National Vision Holdings, Inc. (A)	10,037	303,117
SACI Falabella	47,126	190,263	Nitori Holdings Company, Ltd.	14,300	2,242,582
Shinsegae, Inc.	1,688	403,560	Office Depot, Inc.	69,841	155,745
Target Corp.	72,096	9,012,721	O'Reilly Automotive, Inc. (A)	14,975	6,623,143
Wesfarmers, Ltd.	58,282	1,675,812	Petrobras Distribuidora SA	36,400	240,219
			Rent-A-Center, Inc.	6,178	160,813
			RH (A)(C)	2,107	433,178
			Ross Stores, Inc.	71,377	8,290,439

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Specialty retail (continued)</b>		
Sally Beauty Holdings, Inc. (A)	47,361	\$ 872,863
Shimamura Company, Ltd.	3,900	312,933
Shoe Carnival, Inc. (C)	1,247	44,269
Signet Jewelers, Ltd. (C)	6,703	123,134
Sleep Number Corp. (A)	3,680	177,634
Sonic Automotive, Inc., Class A	3,103	101,623
Sportsman's Warehouse Holdings, Inc. (A)	5,437	39,744
Tailored Brands, Inc. (C)	6,766	35,792
The Buckle, Inc.	3,725	103,630
The Cato Corp., Class A	2,870	54,702
The Children's Place, Inc. (C)	1,969	142,280
The Foschini Group, Ltd.	36,297	384,932

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Textiles, apparel and luxury goods (continued)</b>		
Puma SE	13,980	\$ 1,049,521
PVH Corp.	9,931	962,910
Ralph Lauren Corp.	6,944	745,369
Rocky Brands, Inc.	946	26,374
Ruentex Industries, Ltd. (A)	48,079	119,243
Shenzhou International Group Holdings, Ltd.	106,000	1,397,341
Skechers U.S.A., Inc., Class A (A)	35,475	1,426,805
Steven Madden, Ltd.	10,697	454,302
Superior Group of Companies, Inc.	1,250	16,788
Tapestry, Inc.	38,423	1,033,194
The Swatch Group AG	9,258	493,252
The Swatch Group AG, Bearer Shares	4,569	1,276,711

The Gap, Inc.	41,923	696,341	Under Armour, Inc., Class A (A)(C)	25,200	476,028
The Home Depot, Inc.	214,341	47,264,334	Under Armour, Inc., Class C (A)	26,034	450,388
The Michaels Companies, Inc. (A)	10,891	89,088	Unifi, Inc. (A)	1,848	44,999
The TJX Companies, Inc.	236,610	14,463,969	Vera Bradley, Inc. (A)	2,851	31,475
Tiffany & Company	21,278	2,846,996	VF Corp.	43,735	3,872,297
Tilly's, Inc., Class A	2,914	28,732	Wolverine World Wide, Inc.	10,696	343,342
Tractor Supply Company	23,342	2,204,418	Yue Yuen Industrial Holdings, Ltd.	26,000	76,894
Truworths International, Ltd.	67,685	235,210			109,057,672
Ulta Beauty, Inc. (A)	11,518	2,693,599			825,709,773
Urban Outfitters, Inc. (A)	18,708	480,047			
USS Company, Ltd.	38,900	755,332	<b>Consumer staples – 8.0%</b>		
Williams-Sonoma, Inc.	20,742	1,439,495	<b>Beverages – 1.8%</b>		
Winmark Corp.	315	55,755	Ambev SA	254,705	1,079,294
Yamada Denki Company, Ltd.	109,200	545,128	Anadolu Efes Biracilik Ve Malt Sanayii AS	13,880	52,292
Zhongsheng Group Holdings, Ltd.	79,600	282,126	Anheuser-Busch InBev SA	230,780	18,293,593
Zumiez, Inc. (A)	2,542	75,091	Arca Continental SAB de CV	59,342	311,862
		159,647,470	Asahi Group Holdings, Ltd.	65,161	3,137,303
<b>Textiles, apparel and luxury goods – 1.4%</b>			Brown-Forman Corp., Class B	27,651	1,875,291
adidas AG	30,426	9,486,758	Budweiser Brewing Company APAC, Ltd. (A)(B)	45,600	162,520
ANTA Sports Products, Ltd.	152,000	1,429,433	Carlsberg A/S, Class B	16,645	2,394,600
Bosideng International Holdings, Ltd.	456,000	217,840	Celsius Holdings, Inc. (A)	3,615	17,533
Burberry Group PLC	42,050	1,143,852	China Resources Beer Holdings Company, Ltd.	205,699	1,077,381
Capri Holdings, Ltd. (A)	20,303	754,053	Cia Cervecerias Unidas SA	9,300	84,882
Carter's, Inc.	11,866	1,225,876	Coca-Cola Amatil, Ltd.	25,717	198,042
CCC SA	2,839	81,418	Coca-Cola Bottlers Japan Holdings, Inc.	22,100	531,274
Cie Financiere Richemont SA	82,839	6,280,362	Coca-Cola Consolidated, Inc.	598	161,556
Crocs, Inc. (A)	7,908	275,989	Coca-Cola European Partners PLC	35,041	1,768,169
Culp, Inc.	1,528	24,631	Coca-Cola Femsa SAB de CV	71,558	413,792
Deckers Outdoor Corp. (A)	11,372	1,912,543	Coca-Cola HBC AG	20,347	678,470
Delta Apparel, Inc. (A)	846	23,671	Constellation Brands, Inc., Class A	25,407	4,727,226
Eclat Textile Company, Ltd.	25,957	336,829	Craft Brew Alliance, Inc. (A)	1,609	26,516
EssilorLuxottica SA	57,559	8,940,084	Davide Campari-Milano SpA	123,411	1,125,931
Feng TAY Enterprise Company, Ltd.	44,997	281,654	Diageo PLC	243,069	9,931,011
Fila Korea, Ltd.	11,154	488,063	Fomento Economico Mexicano SAB de CV	263,886	2,398,130
Formosa Taffeta Company, Ltd.	106,000	118,119	Fraser & Neave Holdings BHD	4,600	38,277
Fossil Group, Inc. (A)	6,105	45,726	Heineken Holding NV	17,218	1,650,069
G-III Apparel Group, Ltd. (A)	5,819	172,242	Heineken NV	38,667	4,005,528
Gildan Activewear, Inc.	32,902	957,361	Kirin Holdings Company, Ltd.	147,727	3,272,279
Hanesbrands, Inc.	48,429	729,825	MGP Ingredients, Inc.	1,686	76,915
Hermes International	6,429	4,817,169	Molson Coors Brewing Company, Class B	28,538	1,440,598
HUGO BOSS AG	10,697	503,598	Monster Beverage Corp. (A)	58,771	3,515,681
Kering SA	15,400	9,273,736	National Beverage Corp. (A)(C)	1,537	76,297
Kontoor Brands, Inc.	5,641	202,230	New Age Beverages Corp. (A)(C)	10,468	22,611
Li Ning Company, Ltd.	277,000	888,546	PepsiCo, Inc.	212,407	28,851,243
LPP SA	126	280,036	Pernod Ricard SA	43,100	7,917,571
LVMH Moet Hennessy Louis Vuitton SE	56,461	25,277,659	Primo Water Corp. (A)(C)	4,500	45,900
Moncler SpA	38,721	1,694,945	Remy Cointreau SA	4,541	584,998
Movado Group, Inc.	2,074	40,547	Suntory Beverage & Food, Ltd.	24,900	1,081,254
NIKE, Inc., Class B	167,685	15,676,871			
Oxford Industries, Inc.	2,110	157,026			
Pandora A/S	15,611	628,450			
Pou Chen Corp.	301,971	393,297			

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Beverages (continued)</b>		
The Boston Beer Company, Inc., Class A (A)	3,494	\$ 1,342,814
The Coca-Cola Company	584,645	31,220,043
Treasury Wine Estates, Ltd.	37,289	472,339
Tsingtao Brewery Company, Ltd., H Shares	55,700	344,402
		136,405,487
<b>Food and staples retailing – 1.5%</b>		
Aeon Company, Ltd.	117,200	2,394,201
Alimentation Couche-Tard, Inc., Class B	137,390	4,515,883
Atacadao SA	20,600	91,086
Berli Jucker PCL, Foreign Quota Shares	110,700	166,645
BGF retail Company, Ltd.	1,762	251,002
Bid Corp., Ltd.	51,875	1,142,678
BIM Birlesik Magazalar AS	27,804	222,380
BJ's Wholesale Club Holdings, Inc. (A)	46,487	1,101,742
Carrefour SA	119,822	1,977,495
Casey's General Stores, Inc.	9,752	1,694,605
Casino Guichard Perrachon SA (C)	11,092	488,188
Cencosud SA	94,233	113,959
Clicks Group, Ltd.	40,476	689,996
Coles Group, Ltd.	57,982	639,282
Colruyt SA	16,476	853,105
Costco Wholesale Corp.	68,036	20,397,873
CP ALL PCL, Foreign Quota Shares	580,200	1,459,843
CP ALL PCL, NVDR	700	1,761
Dairy Farm International Holdings, Ltd.	11,600	67,836
Dino Polska SA (A)(B)	4,750	163,752
E-MART, Inc.	4,776	531,041
Empire Company, Ltd., Class A	28,325	759,783
FamilyMart Company, Ltd.	45,400	1,070,354
George Weston, Ltd.	12,829	1,039,320
GS Retail Company, Ltd.	6,098	197,117
HF Foods Group, Inc. (A)	1,005	27,135
ICA Gruppen AB	15,738	686,951
Ingles Markets, Inc., Class A	1,823	81,014
J Sainsbury PLC	179,943	498,223
Jeronimo Martins SGPS SA	37,791	603,478

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Food and staples retailing (continued)</b>		
Wal-Mart de Mexico SAB de CV	708,600	\$ 1,950,664
Walmart, Inc.	220,006	26,200,515
Weis Markets, Inc.	1,273	50,704
Welcia Holdings Company, Ltd.	8,500	521,793
Wm Morrison Supermarkets PLC	240,378	616,386
Woolworths Group, Ltd.	64,641	1,743,960
		114,605,065
<b>Food products – 1.9%</b>		
a2 Milk Company, Ltd. (A)	70,571	703,463
Ajinomoto Company, Inc.	78,500	1,308,953
Alico, Inc.	540	18,284
Archer-Daniels-Midland Company	84,615	3,632,522
Associated British Foods PLC	36,407	1,208,982
B&G Foods, Inc. (C)	8,238	136,421
Barry Callebaut AG	343	689,771
BRF SA (A)	30,410	261,527
Calavo Growers, Inc.	2,076	185,158
Calbee, Inc.	14,200	457,485
Cal-Maine Foods, Inc.	4,032	175,513
Campbell Soup Company	25,620	1,193,123
Charoen Pokphand Foods PCL, Foreign Quota Shares	394,800	359,196
Charoen Pokphand Foods PCL, NVDR	14,800	13,465
Charoen Pokphand Indonesia Tbk PT	238,203	113,515
China Agri-Industries Holdings, Ltd.	337,400	177,182
China Huishan Dairy Holdings Company, Ltd. (A)(D)	280,500	4,121
China Mengniu Dairy Company, Ltd. (A)	387,353	1,481,912
Chocoladefabriken Lindt & Spruengli AG	16	1,365,177
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	171	1,304,208
CJ CheilJedang Corp.	1,900	399,887
Conagra Brands, Inc.	73,923	2,134,157
Dali Foods Group Company, Ltd. (B)	284,800	193,558
Danone SA	125,414	10,319,348
Darling Ingredients, Inc. (A)	20,926	498,039
Farmer Brothers Company (A)	1,524	23,119
Flowers Foods, Inc.	51,051	1,099,128

Koninklijke Ahold Delhaize NV	175,929	4,531,304	Fresh Del Monte Produce, Inc.	3,944	128,969
Lawson, Inc.	8,800	479,811	Freshpet, Inc. (A)	4,402	236,563
Loblaw Companies, Ltd.	30,018	1,609,261	General Mills, Inc.	91,681	4,888,431
METRO AG	29,880	481,505	Genting Plantations BHD	6,100	15,084
Metro, Inc.	41,215	1,806,783	Golden Agri-Resources, Ltd.	986,540	155,152
Performance Food Group Company (A)	13,072	615,168	Gruma SAB de CV, Class B	28,143	283,738
Pick n Pay Stores, Ltd.	56,194	260,096	Grupo Bimbo SAB de CV, Series A	222,400	380,316
President Chain Store Corp.	76,274	763,465	Hormel Foods Corp. (C)	42,182	1,878,364
PriceSmart, Inc.	2,880	215,251	Hostess Brands, Inc. (A)	15,245	205,045
Raia Drogasil SA	12,386	331,789	Indofood CBP Sukses Makmur Tbk PT	69,400	55,723
Rite Aid Corp. (A)	7,094	64,272	Indofood Sukses Makmur Tbk PT	135,017	76,016
Seven & i Holdings Company, Ltd.	135,246	5,046,882	Ingredion, Inc.	17,698	1,471,943
Shoprite Holdings, Ltd.	73,147	639,454	IOI Corp. BHD	59,600	62,086
SpartanNash Company	4,739	67,104	J&J Snack Foods Corp.	1,911	353,535
Sprouts Farmers Market, Inc. (A)	31,327	620,275	JBS SA	59,281	394,721
Sun Art Retail Group, Ltd.	331,800	375,381	John B. Sanfilippo & Son, Inc.	1,093	106,830
Sundrug Company, Ltd.	12,700	446,423	Kellogg Company	37,776	2,459,973
Sysco Corp.	79,389	6,394,784	Kerry Group PLC, Class A	21,762	2,790,641
Tesco PLC	1,001,596	2,970,426	Kerry Group PLC, Class A (London Stock Exchange)	2,564	328,509
The Andersons, Inc.	4,103	94,779	Kikkoman Corp.	26,100	1,313,030
The Chefs' Warehouse, Inc. (A)	3,140	111,658	Kuala Lumpur Kepong BHD	13,600	76,008
The Kroger Company	123,575	3,378,541	Lamb Weston Holdings, Inc.	22,130	1,858,477
The SPAR Group, Ltd.	29,233	410,456	Lancaster Colony Corp.	7,654	1,209,562
Tsuruha Holdings, Inc.	6,600	787,789	Landec Corp. (A)	3,301	37,829
United Natural Foods, Inc. (A)	6,842	62,399	Limoneira Company	2,065	40,773
Village Super Market, Inc., Class A	1,184	33,484			
Walgreens Boots Alliance, Inc.	117,362	6,994,775			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Food products (continued)</b>		
M Dias Branco SA	5,102	\$ 40,250
McCormick & Company, Inc.	18,693	3,163,790
MEIJI Holdings Company, Ltd.	20,500	1,394,221
Mondelez International, Inc., Class A	219,089	11,510,936
Mowi ASA	26,257	651,174
Nestle Malaysia BHD	2,200	75,503
Nestle SA	485,711	50,438,534
NH Foods, Ltd.	14,600	612,589
Nisshin Seifun Group, Inc.	35,300	663,643
Nissin Foods Holdings Company, Ltd.	11,317	848,594
Orion Corp.	5,415	473,034

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Household products (continued)</b>		
WD-40 Company	1,735	\$ 335,046
		94,974,676
<b>Personal products – 0.9%</b>		
Amorepacific Corp.	7,333	1,177,192
AMOREPACIFIC Group	6,629	456,574
Beiersdorf AG	16,869	1,965,197
Coty, Inc., Class A	51,516	594,495
Edgewell Personal Care Company (A)	21,278	663,022
elf Beauty, Inc. (A)	3,399	56,321
Hengan International Group Company, Ltd.	99,600	657,621

Orkla ASA	45,159	437,048	Inter Parfums, Inc.	2,239	157,827
Otogi Corp.	288	136,079	Kao Corp.	87,700	6,904,772
Pilgrim's Pride Corp. (A)	13,886	437,409	Kobayashi Pharmaceutical Company, Ltd.	8,800	722,727
Post Holdings, Inc. (A)	18,217	1,923,715	Kose Corp.	6,000	956,614
PPB Group BHD	18,220	79,428	LG Household & Health Care, Ltd.	2,135	2,289,701
QL Resources BHD	18,400	31,952	Lifevantage Corp. (A)	1,876	28,271
Sanderson Farms, Inc.	7,754	1,283,907	L'Oreal SA	51,331	14,635,653
Saputo, Inc.	37,957	1,152,169	Medifast, Inc. (C)	1,455	127,909
Seneca Foods Corp., Class A (A)	905	35,386	Natura Cosmeticos SA	20,580	160,656
Sime Darby Plantation BHD	69,600	82,995	Nu Skin Enterprises, Inc., Class A	14,733	563,390
Standard Foods Corp.	52,402	113,863	Pola Orbis Holdings, Inc.	16,400	404,718
Thai Union Group PCL	252,500	115,306	Revlon, Inc., Class A (A)	926	22,974
The Hain Celestial Group, Inc. (A)(C)	21,284	526,140	Shiseido Company, Ltd.	71,800	5,190,801
The Hershey Company	22,630	3,352,861	The Estee Lauder Companies, Inc., Class A	38,744	7,573,290
The J.M. Smucker Company	17,326	1,820,789	Unilever NV	216,790	12,897,476
The Kraft Heinz Company	94,523	2,882,952	Unilever PLC	113,422	6,718,837
The Simply Good Foods Company (A)	10,518	290,612	USANA Health Sciences, Inc. (A)	1,650	121,440
Tiger Brands, Ltd.	24,726	344,353			65,047,478
Tingyi Cayman Islands Holding Corp.	277,100	450,859	<b>Tobacco – 0.7%</b>		
Tootsie Roll Industries, Inc. (C)	6,547	224,889	22nd Century Group, Inc. (A)(C)	16,162	16,647
Toyo Suisan Kaisha, Ltd.	15,700	677,506	Altria Group, Inc.	283,797	14,104,711
TreeHouse Foods, Inc. (A)	14,906	728,754	British American Tobacco Malaysia BHD	5,098	19,902
Tyson Foods, Inc., Class A	44,766	4,024,016	British American Tobacco PLC	234,912	9,297,519
Uni-President China Holdings, Ltd.	179,900	182,607	Gudang Garam Tbk PT	15,982	57,061
Uni-President Enterprises Corp.	654,805	1,555,497	Hanjaya Mandala Sampoerna Tbk PT	312,400	42,822
Universal Robina Corp.	108,840	321,563	Imperial Brands PLC	98,045	2,157,194
Vitasoy International Holdings, Ltd.	28,000	107,632	Japan Tobacco, Inc.	215,700	4,914,672
Want Want China Holdings, Ltd.	696,912	599,984	KT&G Corp.	26,601	2,203,349
WH Group, Ltd. (B)	364,270	374,064	Philip Morris International, Inc.	236,360	19,601,335
Wilmar International, Ltd.	293,600	878,436	Swedish Match AB	29,885	1,431,469
Yakult Honsha Company, Ltd.	21,500	1,262,252	Turning Point Brands, Inc.	1,059	29,239
Yamazaki Baking Company, Ltd.	21,500	394,499	Universal Corp.	3,140	163,971
Yihai International Holding, Ltd. (A)	66,500	422,907	Vector Group, Ltd. (C)	14,234	191,305
		147,389,229			54,231,196
<b>Household products – 1.2%</b>					612,653,131
Central Garden & Pet Company (A)	1,503	39,649	<b>Energy – 3.1%</b>		
Central Garden & Pet Company, Class A (A)	5,194	129,902	<b>Energy equipment and services – 0.2%</b>		
Church & Dwight Company, Inc.	43,277	3,039,776	Apergy Corp. (A)	20,545	524,719
Colgate-Palmolive Company	150,272	10,191,447	Archrock, Inc.	16,591	139,530
Energizer Holdings, Inc. (C)	16,996	847,930	Baker Hughes Company	40,602	910,297
Essity AB, B Shares	106,580	3,349,980	Cactus, Inc., Class A	6,039	182,317
Henkel AG & Company KGaA	17,487	1,689,327	China Oilfield Services, Ltd., H Shares	227,700	306,527
Kimberly-Clark Corp.	60,283	8,218,984	Core Laboratories NV (C)	11,766	515,351
Kimberly-Clark de Mexico SAB de CV, Class A (A)	204,935	389,714	Dialog Group BHD	114,812	92,082
Lion Corp.	39,800	802,578	Diamond Offshore Drilling, Inc. (A)(C)	8,742	49,392
Oil-Dri Corp. of America	736	26,709	DMC Global, Inc. (C)	1,800	82,962
Pigeon Corp.	20,700	963,229	Dril-Quip, Inc. (A)	4,645	196,298
Reckitt Benckiser Group PLC	72,363	5,680,442	Era Group, Inc. (A)	2,704	25,877
The Clorox Company	22,022	3,264,321	Exterran Corp. (A)	4,397	23,656
The Procter & Gamble Company	438,312	53,500,363	Forum Energy Technologies, Inc. (A)	12,377	16,214
Unicharm Corp.	72,288	2,369,500			
Unilever Indonesia Tbk PT	45,845	135,779			

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Energy equipment and services (continued)</b>		
Frank's International NV (A)	14,003	\$ 71,415
Geospace Technologies Corp. (A)	1,720	24,802
Halliburton Company	54,787	1,149,979
Helix Energy Solutions Group, Inc. (A)	18,323	152,081
Helmerich & Payne, Inc.	6,845	270,583
John Wood Group PLC	70,193	318,963
KLX Energy Services Holdings, Inc. (A)	3,104	17,538
Liberty Oilfield Services, Inc., Class A	7,057	62,384
Matrix Service Company (A)	3,488	73,039
McDermott International, Inc. (A)(C)	25,386	20,319
Nabors Industries, Ltd.	46,228	95,230
National Energy Services Reunited Corp. (A)	3,311	30,296
National Oilwell Varco, Inc.	24,137	544,289
Natural Gas Services Group, Inc. (A)	1,910	20,704
Newpark Resources, Inc. (A)	11,528	67,554
NexTier Oilfield Solutions, Inc. (A)	20,798	99,622
Noble Corp. PLC (A)	34,280	36,337
Oceaneering International, Inc. (A)	12,798	171,621
Oil States International, Inc. (A)	7,718	123,025
Parker Drilling Company (A)	1,315	25,117
Patterson-UTI Energy, Inc.	53,737	480,409
ProPetro Holding Corp. (A)	10,267	88,502
RigNet, Inc. (A)	2,397	12,464
RPC, Inc.	7,996	30,865
Schlumberger, Ltd.	86,504	3,131,445
SEACOR Holdings, Inc. (A)	2,234	94,588
SEACOR Marine Holdings, Inc. (A)	2,456	29,054
Select Energy Services, Inc., Class A (A)	7,723	59,313
Solaris Oilfield Infrastructure, Inc., Class A	4,153	44,562
TechnipFMC PLC	26,250	494,550
Tenaris SA (C)	100,634	1,069,572
TETRA Technologies, Inc. (A)	17,139	21,081
Tidewater, Inc. (A)	5,155	78,872
Transocean, Ltd. (A)	152,532	759,609
U.S. Silica Holdings, Inc. (C)	9,724	47,939
Worley, Ltd.	17,597	178,465

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Oil, gas and consumable fuels (continued)</b>		
China Coal Energy Company, Ltd., H Shares	266,900	\$ 105,672
China Petroleum & Chemical Corp., H Shares	3,594,139	2,015,608
China Shenhua Energy Company, Ltd., H Shares	475,400	920,466
Cimarex Energy Company	6,346	291,726
Clean Energy Fuels Corp. (A)	18,244	35,576
CNOOC, Ltd.	2,514,116	3,649,565
CNX Resources Corp. (A)	73,701	509,274
Concho Resources, Inc.	12,577	912,587
ConocoPhillips	69,437	4,162,054
CONSOL Energy, Inc. (A)	3,539	45,158
Contura Energy, Inc. (A)	2,514	16,768
Cosan SA	8,294	121,970
COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	169,300	69,850
CVR Energy, Inc.	3,774	163,754
Delek US Holdings, Inc.	9,564	328,141
Denbury Resources, Inc. (A)(C)	60,797	59,976
Devon Energy Corp.	25,282	553,423
DHT Holdings, Inc.	11,149	81,834
Diamond S Shipping, Inc. (A)	2,949	42,554
Diamondback Energy, Inc.	10,198	788,713
Dorian LPG, Ltd. (A)	3,487	50,038
Ecopetrol SA	496,689	456,854
Empresas COPEC SA	24,292	192,520
Enbridge, Inc.	315,481	11,977,495
Encana Corp. (C)	206,448	815,969
Energy Fuels, Inc. (A)(C)	12,749	25,243
Eni SpA	544,279	8,201,080
EOG Resources, Inc.	36,300	2,573,670
EQT Corp.	67,766	591,597
Equinor ASA	60,182	1,109,461
Equitrans Midstream Corp. (C)	54,113	539,507
Evolution Petroleum Corp.	4,649	24,221
Extraction Oil & Gas, Inc. (A)	12,444	17,919
Exxaro Resources, Ltd.	38,818	353,456
Exxon Mobil Corp.	264,647	18,030,400

		13,061,410	Falcon Minerals Corp.	5,655	36,475
<b>Oil, gas and consumable fuels – 2.9%</b>			Formosa Petrochemical Corp.	165,900	522,110
Adaro Energy Tbk PT	462,245	40,278	Galp Energia SGPS SA	74,851	1,217,329
Aker BP ASA	6,488	185,867	GasLog, Ltd.	5,305	49,655
Altus Midstream Company, Class A (A)(C)	7,950	15,344	Golar LNG, Ltd.	12,193	158,753
Antero Midstream Corp. (C)	79,314	363,258	Green Plains, Inc.	4,745	72,361
Apache Corp.	23,516	523,936	Grupa Lotos SA	8,834	206,998
Arch Coal, Inc., Class A	2,054	152,222	GS Holdings Corp.	11,597	470,525
Ardmore Shipping Corp. (A)	4,483	35,819	Gulfport Energy Corp. (A)	21,406	50,732
Banpu PCL, Foreign Quota Shares	445,300	170,909	Hess Corp.	16,188	1,005,113
Berry Petroleum Corp.	8,466	67,474	HighPoint Resources Corp. (A)	16,017	20,021
Bonanza Creek Energy, Inc. (A)	2,543	44,401	HollyFrontier Corp.	9,470	488,179
BP PLC	2,081,511	12,964,697	Husky Energy, Inc.	58,452	429,490
Brigham Minerals, Inc., Class A	2,198	42,553	Idemitsu Kosan Company, Ltd.	35,228	961,638
Bukit Asam Tbk PT	91,500	15,688	Imperial Oil, Ltd.	43,901	1,103,226
Cabot Oil & Gas Corp.	26,169	417,134	Inner Mongolia Yitai Coal Company, Ltd., Class B	137,600	99,201
California Resources Corp. (A)(C)	6,470	42,314	Inpex Corp.	183,500	1,791,932
Callon Petroleum Company (A)(C)	29,448	107,485	Inter Pipeline, Ltd. (C)	65,078	1,083,245
Caltex Australia, Ltd.	12,386	289,596	International Seaways, Inc. (A)	3,226	85,424
Cameco Corp.	63,274	585,438	IRPC PCL, Foreign Quota Shares	1,111,000	128,610
Canadian Natural Resources, Ltd.	187,234	5,236,575	IRPC PCL, NVDR	123,400	14,285
Carrizo Oil & Gas, Inc. (A)(C)	11,707	75,042	Jagged Peak Energy, Inc. (A)(C)	8,890	59,296
Cenovus Energy, Inc.	164,588	1,464,601	JXTG Holdings, Inc.	578,250	2,570,650
Chesapeake Energy Corp. (A)	299,120	178,066	Keyera Corp.	34,177	834,163
Chevron Corp.	118,742	13,908,250			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Oil, gas and consumable fuels (continued)</b>		
Kinder Morgan, Inc.	121,773	\$ 2,387,969
Koninklijke Vopak NV	10,240	545,938
Laredo Petroleum, Inc. (A)	23,919	51,665
Lundin Petroleum AB	32,875	1,013,403
Magnolia Oil & Gas Corp., Class A (A)(C)	13,246	143,852
Marathon Oil Corp.	50,290	585,879
Marathon Petroleum Corp.	41,176	2,496,913
Matador Resources Company (A)	43,421	611,368
MOL Hungarian Oil & Gas PLC	61,575	595,137
Montage Resources Corp. (A)	3,195	15,783
Murphy Oil Corp.	40,882	940,695
NACCO Industries, Inc., Class A	486	22,891

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Oil, gas and consumable fuels (continued)</b>		
Talos Energy, Inc. (A)	2,672	\$ 61,990
TC Energy Corp.	145,129	7,388,107
Teekay Corp.	8,909	42,852
Teekay Tankers, Ltd., Class A (A)	3,002	56,745
Tellurian, Inc. (A)(C)	12,086	88,107
Thai Oil PCL, Foreign Quota Shares	79,900	182,322
Thai Oil PCL, NVDR	32,200	73,476
The Williams Companies, Inc.	75,810	1,722,403
TOTAL SA	485,496	25,466,585
Tourmaline Oil Corp.	42,152	393,499
Tupras Turkiye Petrol Rafinerileri AS	8,149	175,389
Ultrapar Participacoes SA	37,702	191,106
United Tractors Tbk PT	52,137	77,302

Neste OYJ	16,589	560,762	Uranium Energy Corp. (A)	25,620	22,622
Noble Energy, Inc.	29,914	621,015	Valero Energy Corp.	25,920	2,475,101
Nordic American Tankers, Ltd.	17,855	64,635	Vermilion Energy, Inc.	25,129	363,418
Northern Oil and Gas, Inc. (A)	38,030	67,693	W&T Offshore, Inc. (A)	12,562	53,765
Oasis Petroleum, Inc. (A)	118,532	277,365	Washington H. Soul Pattinson & Company, Ltd.	5,838	88,135
Occidental Petroleum Corp.	55,948	2,157,914	Whiting Petroleum Corp. (A)(C)	12,017	55,038
Oil Search, Ltd.	69,615	350,329	Woodside Petroleum, Ltd.	47,974	1,119,468
OMV AG	24,128	1,374,323	World Fuel Services Corp.	25,569	1,084,126
ONEOK, Inc.	25,830	1,835,222	WPX Energy, Inc. (A)	112,032	1,102,395
Origin Energy, Ltd.	90,476	533,242	Yanzhou Coal Mining Company, Ltd., H Shares	248,010	219,225
Overseas Shipholding Group, Inc., Class A (A)	9,616	16,828			
Panhandle Oil and Gas, Inc., Class A	2,217	26,205			224,041,814
Par Pacific Holdings, Inc. (A)	4,463	111,084			237,103,224
PBF Energy, Inc., Class A	27,029	846,008	<b>Financials – 13.9%</b>		
PDC Energy, Inc. (A)	8,083	183,727	<b>Banks – 7.1%</b>		
Peabody Energy Corp.	8,805	85,232	1st Source Corp.	1,775	91,253
Pembina Pipeline Corp.	80,977	2,832,336	ABN AMRO Bank NV (B)	63,224	1,077,543
Penn Virginia Corp. (A)	1,784	43,084	Absa Group, Ltd.	111,470	1,119,432
PetroChina Company, Ltd., H Shares	2,975,239	1,366,807	ACNB Corp.	877	30,888
Petroleo Brasileiro SA	159,809	1,178,835	Agricultural Bank of China, Ltd., H Shares	4,125,400	1,670,297
Petronas Dagangan BHD	6,100	33,440	AIB Group PLC	123,485	403,534
Phillips 66	28,055	3,218,470	Akbank T.A.S. (A)	192,821	260,111
Pioneer Natural Resources Company	10,454	1,336,439	Alior Bank SA (A)	8,914	67,088
Polski Koncern Naftowy ORLEN SA	29,163	691,697	Allegiance Bancshares, Inc. (A)	2,529	90,741
Polskie Gornictwo Naftowe i Gazownictwo SA	166,791	196,673	Alliance Bank Malaysia BHD	33,440	21,616
PrairieSky Royalty, Ltd. (C)	33,960	350,773	Amalgamated Bank, Class A	1,897	36,271
PTT Exploration & Production PCL, Foreign Quota Shares	137,100	543,967	Amerant Bancorp, Inc. (A)	2,506	55,232
PTT Exploration & Production PCL, NVDR	900	3,571	American National Bankshares, Inc.	1,176	44,488
PTT PCL, Foreign Quota Shares	1,121,200	1,603,954	Ameris Bancorp	7,786	339,859
PTT PCL, NVDR	24,200	34,620	Ames National Corp.	1,307	36,844
QEP Resources, Inc.	31,070	101,599	AMMB Holdings BHD	60,000	57,324
Renewable Energy Group, Inc. (A)	4,780	81,547	Aozora Bank, Ltd.	20,670	526,856
Repsol SA	239,020	3,762,952	Arrow Financial Corp.	1,547	55,475
REX American Resources Corp. (A)	716	65,765	Associated Banc-Corp.	43,011	922,156
Ring Energy, Inc. (A)	9,263	17,785	Atlantic Capital Bancshares, Inc. (A)	3,058	57,857
Royal Dutch Shell PLC, A Shares	444,874	12,744,629	Atlantic Union Bankshares Corp.	10,326	390,323
Royal Dutch Shell PLC, B Shares	383,861	10,888,833	Australia & New Zealand Banking Group, Ltd.	146,064	2,453,619
SandRidge Energy, Inc. (A)	5,188	17,069	Banc of California, Inc.	5,840	89,702
Santos, Ltd.	90,764	500,270	BancFirst Corp.	2,360	139,452
Scorpio Tankers, Inc.	5,521	189,876	Banco Bilbao Vizcaya Argentaria SA	1,100,130	5,779,450
SemGroup Corp., Class A	10,195	156,697	Banco Bradesco SA	64,997	475,000
SFL Corp., Ltd.	10,264	145,338	Banco de Chile	2,719,202	276,369
SK Innovation Company, Ltd.	12,605	1,566,598	Banco de Credito e Inversiones SA	2,926	124,503
SM Energy Company	14,503	120,520	Banco de Sabadell SA	929,509	1,029,379
S-Oil Corp.	10,207	772,967	Banco do Brasil SA	46,294	521,036
Southwestern Energy Company (A)(C)	213,530	388,625	Banco Espirito Santo SA (A)	322,715	484
SRC Energy, Inc. (A)	30,923	110,395	Banco Santander Brasil SA	22,126	230,892
Suncor Energy, Inc.	246,167	7,728,973	Banco Santander Chile	3,958,147	211,167
			Banco Santander SA	2,773,312	10,801,811

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Banks (continued)</b>		
Bancolumbia SA	22,540	\$ 262,758
BancorpSouth Bank	36,873	1,146,750
Bangkok Bank PCL, Foreign Quota Shares	47,657	279,911
Bangkok Bank PCL, NVDR	800	4,672
Bank Central Asia Tbk PT	308,330	686,177
Bank First Corp.	753	51,136
Bank Hapoalim BM	160,743	1,296,300
Bank Leumi Le-Israel BM	210,235	1,523,655
Bank Mandiri Persero Tbk PT	591,156	291,959
Bank Millennium SA (A)	58,085	81,714
Bank Negara Indonesia Persero Tbk PT	240,153	127,548
Bank of America Corp.	913,123	30,425,258
Bank of China, Ltd., H Shares	11,198,122	4,491,070
Bank of Commerce Holdings	2,801	32,071
Bank of Communications Company, Ltd., H Shares	1,219,976	800,828
Bank of Hawaii Corp.	10,775	970,935
Bank of Ireland Group PLC	146,820	736,270
Bank of Marin Bancorp	1,635	73,788
Bank of Montreal	100,600	7,736,422
Bank of Queensland, Ltd.	19,491	103,299
Bank of the Philippine Islands	108,797	184,006
Bank OZK	32,062	951,600
Bank Polska Kasa Opieki SA	16,405	438,686
Bank Rakyat Indonesia Persero Tbk PT	1,771,910	513,357
Bank Tabungan Negara Persero Tbk PT	132,900	20,050
BankFinancial Corp.	2,222	30,330
Bankia SA	202,640	391,967
Bankinter SA	109,580	765,321
Bankwell Financial Group, Inc.	952	27,875
Banner Corp.	4,319	235,947
Bar Harbor Bankshares	2,014	51,639
Barclays PLC	1,765,595	3,902,368
Baycom Corp. (A)	1,690	37,112
BB&T Corp.	83,510	4,569,667
BCB Bancorp, Inc.	2,223	30,099
BDO Unibank, Inc.	240,780	719,072
Bendigo & Adelaide Bank, Ltd.	24,027	163,125

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Banks (continued)</b>		
Century Bancorp, Inc., Class A	379	\$ 33,068
Chang Hwa Commercial Bank, Ltd.	716,746	539,047
Chemung Financial Corp.	578	26,455
China CITIC Bank Corp., Ltd., H Shares	1,251,400	684,112
China Construction Bank Corp., H Shares	13,561,296	10,788,162
China Everbright Bank Company, Ltd., H Shares	434,595	187,621
China Merchants Bank Company, Ltd., H Shares	551,174	2,604,388
China Minsheng Banking Corp., Ltd., H Shares	978,200	680,884
Chongqing Rural Commercial Bank Company, Ltd., H Shares	337,800	167,849
CIMB Group Holdings BHD	167,800	208,089
Citigroup, Inc.	246,232	18,496,948
Citizens & Northern Corp.	1,607	42,264
Citizens Financial Group, Inc.	48,732	1,874,233
City Holding Company	1,955	155,383
Civista Bancshares, Inc.	2,168	47,002
CNB Financial Corp.	1,861	58,919
Coastal Financial Corp. (A)	1,335	22,682
Codorus Valley Bancorp, Inc.	1,440	30,965
Colony Bancorp, Inc.	1,360	22,046
Columbia Banking System, Inc.	9,317	364,108
Comerica, Inc.	16,280	1,146,275
Commerce Bancshares, Inc.	26,197	1,755,985
Commerzbank AG	169,992	981,970
Commonwealth Bank of Australia	91,066	4,982,306
Community Bank System, Inc.	6,386	433,290
Community Bankers Trust Corp.	3,182	27,652
Community Trust Bancorp, Inc.	1,999	89,835
Concordia Financial Group, Ltd.	190,700	774,376
ConnectOne Bancorp, Inc.	4,256	107,209
Credicorp, Ltd.	9,600	2,027,424
Credit Agricole SA	233,000	3,179,604
CTBC Financial Holding Company, Ltd.	2,512,090	1,798,687
Cullen/Frost Bankers, Inc.	15,123	1,414,908
Customers Bancorp, Inc. (A)	3,643	85,173
CVB Financial Corp.	16,947	361,988

Berkshire Hills Bancorp, Inc.	5,899	186,113	Danske Bank A/S	100,462	1,356,391
BNK Financial Group, Inc.	62,782	370,685	DBS Group Holdings, Ltd.	270,672	4,995,243
BNP Paribas SA	228,594	12,815,365	DNB ASA	57,985	972,752
BOC Hong Kong Holdings, Ltd.	139,500	473,892	DNB Financial Corp.	499	23,049
Boston Private Financial Holdings, Inc.	10,609	124,550	E.Sun Financial Holding Company, Ltd.	1,406,646	1,246,966
Bridge Bancorp, Inc.	2,159	70,556	Eagle Bancorp, Inc.	4,306	191,273
Brookline Bancorp, Inc.	10,234	164,256	East West Bancorp, Inc.	38,603	1,768,789
Bryn Mawr Bank Corp.	2,568	100,845	Enterprise Bancorp, Inc.	1,277	40,724
Business First Bancshares, Inc.	1,413	34,760	Enterprise Financial Services Corp.	3,089	139,623
Byline Bancorp, Inc. (A)	3,175	58,388	Equity Bancshares, Inc., Class A (A)	2,034	59,901
C&F Financial Corp.	475	26,743	Erste Group Bank AG (A)	49,389	1,766,826
Cadence BanCorp	16,052	265,019	Esquire Financial Holdings, Inc. (A)	1,074	25,712
CaixaBank SA	592,000	1,744,413	Evans Bancorp, Inc.	777	31,616
Cambridge Bancorp	442	34,432	Farmers & Merchants Bancorp, Inc.	1,123	29,142
Camden National Corp.	1,982	86,098	Farmers National Banc Corp.	3,321	50,944
Canadian Imperial Bank of Commerce	70,279	6,104,109	FB Financial Corp.	2,095	80,658
Capital City Bank Group, Inc.	1,833	53,029	Fidelity D&D Bancorp, Inc.	366	24,002
Capitec Bank Holdings, Ltd.	7,117	688,113	Fifth Third Bancorp	79,622	2,403,788
Capstar Financial Holdings, Inc.	2,197	36,910	Financial Institutions, Inc.	1,949	63,498
Carolina Financial Corp.	2,665	112,703	FinecoBank Banca Fineco SpA	130,038	1,609,574
Carter Bank & Trust (A)	2,950	62,304	First Bancorp (NC)	3,685	144,084
Cathay General Bancorp	29,792	1,096,941	First Bancorp (PR)	27,311	286,766
CBTX, Inc.	2,428	71,675	First Bancorp, Inc.	1,408	40,100
CenterState Bank Corp.	15,774	401,133	First Bank	2,501	27,086
Central Pacific Financial Corp.	3,540	102,872	First Busey Corp.	6,584	175,134
Central Valley Community Bancorp	1,540	32,494			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Banks (continued)</b>		
First Business Financial Services, Inc.	1,233	\$ 30,800
First Choice Bancorp	1,304	29,679
First Commonwealth Financial Corp.	12,350	175,494
First Community Bankshares, Inc.	2,045	62,352
First Financial Bancorp	12,430	302,298
First Financial Bankshares, Inc.	52,502	1,814,994
First Financial Corp.	1,725	76,280
First Financial Holding Company, Ltd.	1,322,439	994,666
First Foundation, Inc.	5,134	84,146
First Horizon National Corp.	82,878	1,332,678
First Internet Bancorp	1,361	30,895
First Interstate BancSystem, Inc., Class A	4,794	201,827

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Banks (continued)</b>		
Intesa Sanpaolo SpA	3,190,063	\$ 8,071,534
Investar Holding Corp.	1,481	37,055
Investors Bancorp, Inc.	29,162	351,694
Israel Discount Bank, Ltd., Class A	169,103	777,759
Itau CorpBanca	7,880,009	38,530
Japan Post Bank Company, Ltd.	72,400	701,542
JPMorgan Chase & Co.	348,518	45,920,732
Kasikornbank PCL	53,200	272,813
Kasikornbank PCL, Foreign Quota Shares	144,759	743,079
Kasikornbank PCL, NVDR	3,200	16,410
KB Financial Group, Inc.	90,528	3,537,046
KBC Group NV	75,506	5,496,161

First Merchants Corp.	6,955	281,608	KeyCorp	109,353	2,120,355
First Mid Bancshares, Inc.	1,882	65,832	Komercni banka AS	9,971	341,050
First Midwest Bancorp, Inc.	13,599	293,194	Krung Thai Bank PCL, Foreign Quota Shares	339,100	184,004
First Northwest Bancorp	1,503	26,498	Krung Thai Bank PCL, NVDR	8,800	4,775
First Republic Bank	18,335	2,015,017	Lakeland Bancorp, Inc.	6,274	104,650
Flushing Financial Corp.	3,701	78,461	Lakeland Financial Corp.	3,080	145,130
FNB Corp.	86,166	1,070,182	LCNB Corp.	1,846	34,133
FNCB Bancorp, Inc.	2,863	23,248	Level One Bancorp, Inc.	887	21,723
Franklin Financial Network, Inc.	1,725	58,892	Live Oak Bancshares, Inc.	3,367	61,448
Franklin Financial Services Corp.	687	25,749	Lloyds Banking Group PLC	7,260,509	5,723,852
Fukuoka Financial Group, Inc.	31,100	593,040	M&T Bank Corp.	14,569	2,400,097
Fulton Financial Corp.	64,586	1,108,296	Macatawa Bank Corp.	3,711	39,745
FVCBankcorp, Inc. (A)	1,761	30,166	MainStreet Bancshares, Inc. (A)	1,126	24,693
German American Bancorp, Inc.	3,182	107,233	Malayan Banking BHD	129,733	264,948
Glacier Bancorp, Inc.	10,988	481,824	Malvern Bancorp, Inc. (A)	1,108	25,440
Great Southern Bancorp, Inc.	1,406	85,808	mBank SA (A)	1,418	134,767
Great Western Bancorp, Inc.	7,274	250,007	Mebuki Financial Group, Inc.	157,600	407,899
Grupo Financiero Banorte SAB de CV, Series O	352,050	1,861,292	Mediobanca Banca di Credito Finanziario SpA	131,495	1,468,292
Grupo Financiero Inbursa SAB de CV, Series O	314,900	371,814	Mega Financial Holding Company, Ltd.	1,466,275	1,456,121
Guaranty Bancshares, Inc.	1,151	38,041	Mercantile Bank Corp.	2,050	72,263
Hana Financial Group, Inc.	68,515	2,077,403	Metropolitan Bank & Trust Company	216,064	281,763
Hancock Whitney Corp.	35,517	1,442,345	Metropolitan Bank Holding Corp. (A)	952	42,926
Hang Seng Bank, Ltd.	28,595	582,912	Mid Penn Bancorp, Inc.	1,134	30,584
Hanmi Financial Corp.	3,921	76,969	Midland States Bancorp, Inc.	2,882	80,927
HarborOne Bancorp, Inc. (A)	3,620	38,408	MidWestOne Financial Group, Inc.	1,616	54,944
Hawthorn Bancshares, Inc.	838	20,389	Mitsubishi UFJ Financial Group, Inc.	2,210,700	11,718,455
Heartland Financial USA, Inc.	4,455	210,365	Mizrahi Tefahot Bank, Ltd.	20,799	555,700
Heritage Commerce Corp.	5,592	69,900	Mizuho Financial Group, Inc.	4,331,400	6,707,046
Heritage Financial Corp.	4,670	128,799	Moneta Money Bank AS (B)	63,414	210,010
Hilltop Holdings, Inc.	9,044	222,754	MutualFirst Financial, Inc.	847	33,584
Home BancShares, Inc.	61,056	1,149,074	MVB Financial Corp.	1,457	31,034
HomeTrust Bancshares, Inc.	2,126	55,552	National Australia Bank, Ltd.	144,655	2,535,184
Hong Leong Bank BHD	20,900	84,560	National Bank Holdings Corp., Class A	3,699	132,572
Hong Leong Financial Group BHD	7,500	29,273	National Bank of Canada	53,791	2,870,770
Hope Bancorp, Inc.	15,484	224,673	National Bankshares, Inc.	914	39,192
Horizon Bancorp, Inc.	4,854	91,352	NBT Bancorp, Inc.	5,413	216,520
Howard Bancorp, Inc. (A)	1,803	30,038	Nedbank Group, Ltd.	57,700	861,926
HSBC Holdings PLC	2,070,190	15,423,113	Nicolet Bankshares, Inc. (A)	1,025	74,272
Hua Nan Financial Holdings Company, Ltd.	1,039,108	739,002	Nordea Bank ABP	569,969	4,037,133
Huntington Bancshares, Inc.	113,122	1,684,387	Northeast Bank	1,053	22,745
IBERIABANK Corp.	6,619	483,121	Northrim BanCorp, Inc.	985	36,908
Independent Bank Corp. (MA)	4,223	355,577	Norwood Financial Corp.	860	30,100
Independent Bank Corp. (MI)	2,844	63,563	OFG Bancorp	6,447	138,288
Independent Bank Group, Inc.	4,553	262,389	Old National Bancorp	21,666	391,721
Industrial & Commercial Bank of China, Ltd., H Shares	9,177,623	6,540,792	Old Second Bancorp, Inc.	4,053	50,055
Industrial Bank of Korea	59,576	593,076	Opus Bank	2,825	72,631
ING Groep NV	580,847	6,679,622	Origin Bancorp, Inc.	2,441	87,070
International Bancshares Corp.	22,388	949,699	Orrstown Financial Services, Inc.	1,575	34,524
			OTP Bank Nyrt	33,729	1,586,322
			Oversea-Chinese Banking Corp., Ltd.	481,878	3,796,945

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Banks (continued)</b>		
Pacific Mercantile Bancorp (A)	2,622	\$ 18,774
Pacific Premier Bancorp, Inc.	7,535	241,421
PacWest Bancorp	31,352	1,167,548
Park National Corp.	1,621	162,635
Parke Bancorp, Inc.	1,267	30,319
PCB Bancorp	1,882	32,220
Peapack Gladstone Financial Corp.	2,480	74,152
Penns Woods Bancorp, Inc.	1,026	32,493
Peoples Bancorp of North Carolina, Inc.	747	23,531
Peoples Bancorp, Inc.	2,328	76,149
Peoples Financial Services Corp.	915	44,945
People's United Financial, Inc.	48,343	797,660
People's Utah Bancorp	1,832	53,769
Pinnacle Financial Partners, Inc.	19,185	1,178,343
Postal Savings Bank of China Company, Ltd., H Shares (B)	1,112,300	721,720
Powszechna Kasa Oszczednosci Bank Polski SA	84,844	782,463
Preferred Bank	1,794	98,939
Premier Financial Bancorp, Inc.	1,776	32,234
Prosperity Bancshares, Inc.	25,154	1,767,069
Public Bank BHD	103,262	485,057
QCR Holdings, Inc.	1,916	80,089
Raiffeisen Bank International AG	24,392	572,184
RBB Bancorp	2,273	45,505
Regions Financial Corp.	108,755	1,809,683
Reliant Bancorp, Inc.	1,417	31,656
Renasant Corp.	7,273	257,464
Republic Bancorp, Inc., Class A	1,242	57,380
Republic First Bancorp, Inc. (A)	6,939	27,478
Resona Holdings, Inc.	376,200	1,596,583
RHB Bank BHD	54,941	74,448
Richmond Mutual Bancorporation, Inc. (A)	1,977	28,686
Royal Bank of Canada	224,133	18,318,060
S&T Bancorp, Inc.	4,208	158,726
Sandy Spring Bancorp, Inc.	4,392	155,301
Santander Bank Polska SA	3,454	242,322
SB One Bancorp	1,309	30,945

## Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Banks (continued)</b>		
Stock Yards Bancorp, Inc.	2,547	\$ 105,420
Sumitomo Mitsui Financial Group, Inc.	238,879	8,746,874
Sumitomo Mitsui Trust Holdings, Inc.	59,538	2,281,569
Summit Financial Group, Inc.	1,494	40,263
SunTrust Banks, Inc.	48,388	3,427,806
SVB Financial Group (A)	5,617	1,301,627
Svenska Handelsbanken AB, A Shares	268,761	2,638,117
Swedbank AB, A Shares	159,315	2,074,546
Synovus Financial Corp.	40,930	1,559,024
Taishin Financial Holding Company, Ltd.	1,258,296	587,685
Taiwan Business Bank	677,307	277,499
Taiwan Cooperative Financial Holding Company, Ltd.	1,202,569	817,823
TCF Financial Corp.	40,708	1,729,683
Texas Capital Bancshares, Inc. (A)	13,342	771,168
The Bancorp, Inc. (A)	6,583	73,005
The Bank of East Asia, Ltd.	44,693	100,819
The Bank of Kyoto, Ltd.	9,400	388,082
The Bank of Nova Scotia	191,639	10,751,290
The Bank of NT Butterfield & Son, Ltd.	6,990	241,505
The Bank of Princeton	870	24,934
The Chiba Bank, Ltd.	98,200	560,269
The Community Financial Corp.	790	27,231
The First Bancshares, Inc.	2,194	73,631
The First of Long Island Corp.	3,097	75,040
The PNC Financial Services Group, Inc.	48,532	7,435,588
The Royal Bank of Scotland Group PLC	496,405	1,451,725
The Shanghai Commercial & Savings Bank, Ltd.	449,000	734,040
The Shizuoka Bank, Ltd.	81,500	620,775
The Siam Commercial Bank PCL, Foreign Quota Shares	84,909	339,867
The Siam Commercial Bank PCL, NVDR	2,900	11,608
The Toronto-Dominion Bank	285,796	16,513,471

Seacoast Banking Corp. of Florida (A)	6,431	191,322	TMB Bank PCL, Foreign Quota Shares	1,246,400	65,987
Security Bank Corp.	26,980	108,842	TMB Bank PCL, NVDR	638,000	33,777
Select Bancorp, Inc. (A)	2,733	32,605	Tompkins Financial Corp.	1,778	154,242
ServisFirst Bancshares, Inc.	6,113	222,269	Towne Bank	8,405	236,601
Seven Bank, Ltd.	101,400	314,271	TriCo Bancshares	3,336	128,936
Shinhan Financial Group Company, Ltd.	102,535	3,787,482	TriState Capital Holdings, Inc. (A)	3,231	78,287
Shinsei Bank, Ltd.	34,900	552,825	Triumph Bancorp, Inc. (A)	3,080	110,449
Shore Bancshares, Inc.	2,072	34,685	Trustmark Corp.	25,155	864,326
Sierra Bancorp	1,979	53,037	Turkiye Garanti Bankasi AS (A)	155,994	273,497
Signature Bank	14,517	1,790,817	Turkiye Is Bankasi AS, Class C (A)	106,864	114,070
Simmons First National Corp., Class A	11,584	300,141	U.S. Bancorp	156,303	9,382,869
SinoPac Financial Holdings Company, Ltd.	1,419,772	597,856	UMB Financial Corp.	17,034	1,145,877
Skandinaviska Enskilda Banken AB, A Shares	285,471	2,447,997	Umpqua Holdings Corp.	58,403	956,057
SmartFinancial, Inc.	1,852	42,226	UniCredit SpA	431,715	5,959,133
Societe Generale SA	156,002	4,902,551	United Bankshares, Inc.	39,323	1,489,162
South State Corp.	4,272	355,772	United Community Banks, Inc.	10,007	310,217
Southern First Bancshares, Inc. (A)	990	42,402	United Overseas Bank, Ltd.	190,257	3,590,349
Southern National Bancorp of Virginia, Inc.	2,812	44,795	Unity Bancorp, Inc.	1,116	24,719
Southside Bancshares, Inc.	4,008	140,721	Uninvest Financial Corp.	3,712	96,920
Spirit of Texas Bancshares, Inc. (A)	1,883	43,008	Valley National Bancorp	129,238	1,496,576
Standard Bank Group, Ltd.	201,227	2,271,890	Veritex Holdings, Inc.	6,635	172,576
Standard Chartered PLC	285,731	2,570,725	Washington Trust Bancorp, Inc.	1,920	100,205
Sterling Bancorp	54,425	1,111,359	Webster Financial Corp.	24,444	1,190,178
			Wells Fargo & Company	437,032	23,800,763
			WesBanco, Inc.	8,258	301,241
			Westamerica Bancorporation	3,302	214,630
			Westpac Banking Corp.	177,499	2,961,460
			Wintrust Financial Corp.	15,036	1,021,095
			Woori Financial Group, Inc.	109,032	1,082,170

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Banks (continued)</b>		
Zions Bancorp NA	19,288	\$ 960,157
		542,154,808
<b>Capital markets – 2.3%</b>		
3i Group PLC	100,000	1,384,361
Affiliated Managers Group, Inc.	7,083	604,676
Ameriprise Financial, Inc.	18,305	2,999,640
Amundi SA (B)	12,327	933,145
Ares Management Corp., Class A	8,540	282,589

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Capital markets (continued)</b>		
Intercontinental Exchange, Inc.	78,385	\$ 7,381,515
INTL. FCStone, Inc. (A)	2,081	83,240
Invesco, Ltd.	53,883	946,185
Investec PLC	70,171	397,710
Investec, Ltd.	44,507	255,206
Janus Henderson Group PLC	42,189	1,071,601
Japan Exchange Group, Inc.	91,398	1,555,883
Julius Baer Group, Ltd. (A)	35,629	1,678,282

Artisan Partners Asset Management, Inc., Class A	6,425	190,630	Korea Investment Holdings Company, Ltd.	9,669	588,607
Assetmark Financial Holdings, Inc. (A)	1,822	45,605	Ladenburg Thalmann Financial Services, Inc.	15,891	55,460
ASX, Ltd.	10,011	553,702	Legg Mason, Inc.	21,628	845,222
B. Riley Financial, Inc.	2,663	77,786	London Stock Exchange Group PLC	32,221	2,865,145
B3 SA - Brasil Bolsa Balcao	111,176	1,248,915	Macquarie Group, Ltd.	16,789	1,568,845
Banco BTG Pactual SA	12,100	198,518	Magellan Financial Group, Ltd.	6,647	235,896
BlackRock, Inc.	16,431	8,131,866	MarketAxess Holdings, Inc.	5,281	2,132,573
Blucora, Inc. (A)	6,190	145,713	Meritz Securities Company, Ltd.	71,544	257,810
Brightsphere Investment Group, Inc.	8,938	86,073	Mirae Asset Daewoo Company, Ltd.	91,293	560,384
Brookfield Asset Management, Inc., Class A	140,165	8,181,128	Moelis & Company, Class A	6,082	200,463
Cboe Global Markets, Inc.	15,621	1,857,337	Moody's Corp.	22,758	5,158,556
China Cinda Asset Management Company, Ltd., H Shares	1,260,100	262,373	Morgan Stanley	175,690	8,693,141
China Ding Yi Feng Holdings, Ltd. (D)	152,000	1,472	MSCI, Inc.	11,847	3,070,624
China Everbright, Ltd.	132,984	213,720	Nasdaq, Inc.	16,124	1,689,795
China Galaxy Securities Company, Ltd., H Shares	500,100	254,100	Natixis SA	193,048	805,955
China Huarong Asset Management Company, Ltd., H Shares (B)	1,432,200	208,638	NH Investment & Securities Company, Ltd.	32,834	345,503
China International Capital Corp., Ltd., H Shares (B)	188,600	324,533	Noah Holdings, Ltd., ADR (A)(C)	4,800	139,872
CI Financial Corp.	38,973	613,217	Nomura Holdings, Inc.	596,700	3,058,377
CITIC Securities Company, Ltd., H Shares	291,100	540,182	Northern Trust Corp.	30,057	3,223,313
CME Group, Inc.	50,086	10,153,935	Oppenheimer Holdings, Inc., Class A	1,295	36,920
Cohen & Steers, Inc.	2,900	194,677	Partners Group Holding AG	2,954	2,491,234
Cowen, Inc., Class A (A)	3,744	57,358	Piper Jaffray Companies	1,736	140,408
Credit Suisse Group AG (A)	406,933	5,326,984	PJT Partners, Inc., Class A	2,903	123,726
Daiwa Securities Group, Inc.	274,418	1,392,209	Pzena Investment Management, Inc., Class A	2,673	23,763
Deutsche Bank AG	331,627	2,381,733	Raymond James Financial, Inc.	17,284	1,552,449
Deutsche Boerse AG	31,967	4,892,310	Reinet Investments SCA	22,723	441,593
Diamond Hill Investment Group, Inc.	426	58,170	S&P Global, Inc.	34,450	9,117,193
Donnelley Financial Solutions, Inc. (A)	4,153	41,696	Safeguard Scientifics, Inc. (A)	2,857	32,913
E*TRADE Financial Corp.	31,722	1,405,285	Samsung Securities Company, Ltd.	14,553	445,915
Eaton Vance Corp.	29,982	1,414,251	SBI Holdings, Inc.	42,664	886,777
Evercore, Inc., Class A	10,575	818,294	Schroders PLC	12,745	543,413
FactSet Research Systems, Inc.	10,147	2,634,669	Sculptor Capital Management, Inc.	2,132	41,318
Federated Investors, Inc., Class B	37,714	1,264,173	SEI Investments Company	33,647	2,171,241
Focus Financial Partners, Inc., Class A (A)	3,903	109,713	Singapore Exchange, Ltd.	120,900	782,167
Franklin Resources, Inc.	39,451	1,084,508	St. James's Place PLC	54,368	764,331
GF Securities Company, Ltd., H Shares	194,200	207,754	Standard Life Aberdeen PLC	249,133	1,020,467
Greenhill & Company, Inc.	2,157	36,691	State Street Corp.	52,112	3,913,611
Guotai Junan Securities Company, Ltd., H Shares (B)	108,500	164,924	Stifel Financial Corp.	27,069	1,692,354
Haitong Securities Company, Ltd., H Shares	409,900	408,967	T. Rowe Price Group, Inc.	32,948	4,071,055
Hamilton Lane, Inc., Class A	2,781	161,298	The Bank of New York Mellon Corp.	119,983	5,875,568
Hargreaves Lansdown PLC	29,211	699,975	The Charles Schwab Corp.	162,723	8,054,789
Hong Kong Exchanges & Clearing, Ltd.	45,277	1,433,943	The Goldman Sachs Group, Inc.	45,263	10,018,965
Houlihan Lokey, Inc.	5,229	249,266	UBS Group AG (A)	613,460	7,427,646
Huatai Securities Company, Ltd., H Shares (B)	231,700	347,362	Virtus Investment Partners, Inc.	863	101,661
			Waddell & Reed Financial, Inc., Class A	9,209	148,725
			Westwood Holdings Group, Inc.	1,116	34,440
			WisdomTree Investments, Inc.	17,624	85,653
			Yuanta Financial Holding Company, Ltd.	1,362,187	881,787
					179,510,058

IGM Financial, Inc.	15,874	457,111	<b>Consumer finance – 0.4%</b>		
Interactive Brokers Group, Inc., Class A	20,356	985,638	Acom Company, Ltd.	71,400	296,509
			AEON Financial Service Company, Ltd.	20,400	308,590
			American Express Company	95,157	11,430,259

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Consumer finance (continued)</b>		
Capital One Financial Corp.	65,785	\$ 6,579,158
Credit Saison Company, Ltd.	28,600	473,113
Curo Group Holdings Corp. (A)	2,252	30,650
Discover Financial Services	44,512	3,777,733
Elevate Credit, Inc. (A)	3,355	13,923
Encore Capital Group, Inc. (A)(C)	3,926	143,181
Enova International, Inc. (A)	4,178	96,219
EZCORP, Inc., Class A (A)	6,832	34,980
FirstCash, Inc.	16,785	1,356,899
Green Dot Corp., Class A (A)	18,859	448,090
LendingClub Corp. (A)	8,422	116,308
Medallion Financial Corp. (A)	2,942	18,741
Muangthai Capital PCL, Foreign Quota Shares	75,800	150,998
Muangthai Capital PCL, NVDR	2,000	3,984
Navient Corp.	53,798	772,001
Nelnet, Inc., Class A	2,257	142,191
PRA Group, Inc. (A)	5,765	211,230
Regional Management Corp. (A)	1,139	37,018
Samsung Card Company, Ltd.	6,602	207,641
SLM Corp.	113,146	965,135
Synchrony Financial	85,371	3,193,729
World Acceptance Corp. (A)	794	75,422
		30,883,702
<b>Diversified financial services – 1.2%</b>		
AMP, Ltd.	172,852	228,756
Banco Latinoamericano de Comercio Exterior SA, Class E	3,922	84,598
Berkshire Hathaway, Inc., Class B (A)	274,262	60,419,919
Cannae Holdings, Inc. (A)	8,596	322,264
Chailease Holding Company, Ltd.	164,784	736,393
Challenger, Ltd.	28,557	157,521
Eurazeo SE	8,134	554,299
EXOR NV	23,402	1,785,915

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Insurance (continued)</b>		
Aegon NV	282,177	\$ 1,270,756
Aflac, Inc.	34,413	1,887,209
Ageas	55,392	3,323,503
AIA Group, Ltd.	461,309	4,616,412
Alleghany Corp. (A)	3,827	2,985,213
Allianz SE	71,972	17,213,448
Ambac Financial Group, Inc. (A)	5,781	120,360
American Equity Investment Life Holding Company	11,537	342,880
American Financial Group, Inc.	19,800	2,172,258
American International Group, Inc.	40,434	2,129,254
AMERISAFE, Inc.	2,418	163,457
Aon PLC	10,962	2,231,973
Argo Group International Holdings, Ltd.	4,160	273,645
Arthur J. Gallagher & Company	8,649	806,692
Assicurazioni Generali SpA	239,299	4,880,262
Assurant, Inc.	2,841	377,484
Aviva PLC	519,229	2,708,173
AXA SA	397,264	10,808,442
Baloise Holding AG	8,141	1,415,087
BB Seguridade Participacoes SA	41,308	335,054
Brighthouse Financial, Inc. (A)	29,549	1,216,237
Brown & Brown, Inc.	61,920	2,336,861
Cathay Financial Holding Company, Ltd.	1,129,890	1,544,011
China Development Financial Holding Corp.	1,942,000	617,902
China Life Insurance Company, Ltd. (A)	424,703	352,840
China Life Insurance Company, Ltd., H Shares	1,062,076	2,679,832
China Pacific Insurance Group Company, Ltd., H Shares	378,179	1,337,465

Far East Horizon, Ltd.	301,300	273,560	China Reinsurance Group Corp., H Shares	954,300	151,155
FGL Holdings	18,662	170,384	China Taiping Insurance Holdings Company, Ltd.	237,200	548,377
First Eagle Private Credit LLC (A)(D)	5,608	1,354	Chubb, Ltd.	21,183	3,208,801
FirstRand, Ltd.	524,011	2,236,685	Cincinnati Financial Corp.	7,061	755,880
Groupe Bruxelles Lambert SA	24,337	2,469,060	Citizens, Inc. (A)	6,643	45,305
Grupo de Inversiones Suramericana SA	22,755	210,530	CNO Financial Group, Inc.	61,340	1,111,481
Haci Omer Sabanci Holding AS	64,012	101,133	CNP Assurances	37,902	748,379
Industrivarden AB, C Shares	29,661	687,914	Crawford & Company, Class A	2,175	23,838
Investor AB, B Shares	80,338	4,246,618	Dai-ichi Life Holdings, Inc.	196,800	3,173,632
Jefferies Financial Group, Inc.	66,838	1,396,914	DB Insurance Company, Ltd.	11,929	563,821
Kinnevik AB (A)	42,506	258,329	Direct Line Insurance Group PLC	152,070	600,319
Kinnevik AB, B Shares	42,506	973,394	Discovery, Ltd.	63,766	513,399
L E Lundbergforetagen AB, B Shares	13,539	536,677	eHealth, Inc. (A)	2,849	262,849
M&G PLC (A)	263,008	802,750	Employers Holdings, Inc.	3,961	170,204
Marlin Business Services Corp.	1,196	25,642	Enstar Group, Ltd. (A)	1,452	296,513
Metro Pacific Investments Corp.	1,718,900	145,500	Everest Re Group, Ltd.	1,894	513,766
Mitsubishi UFJ Lease & Finance Company, Ltd.	73,900	475,268	Fairfax Financial Holdings, Ltd.	4,628	2,105,857
Neoplux Company, Ltd. (A)	255	725	FBL Financial Group, Inc., Class A	1,271	73,171
On Deck Capital, Inc. (A)	8,982	36,916	FedNat Holding Company	1,591	23,722
Onex Corp.	13,954	835,370	First American Financial Corp.	29,732	1,891,550
ORIX Corp.	239,000	3,917,720	Fubon Financial Holding Company, Ltd.	970,659	1,425,002
Pargesa Holding SA, Bearer Shares	5,972	471,334	Genworth Financial, Inc., Class A (A)	198,158	784,706
PSG Group, Ltd.	23,346	372,404	Gjensidige Forsikring ASA	14,440	271,566
Remgro, Ltd.	82,290	1,078,733	Global Indemnity, Ltd.	1,068	30,726
RMB Holdings, Ltd.	120,525	663,652	Globe Life, Inc.	4,665	479,375
Tokyo Century Corp.	7,800	416,540	Goosehead Insurance, Inc., Class A (C)	1,433	58,065
Wendel SA	5,420	730,426	Great-West Lifeco, Inc. (C)	51,236	1,288,711
		87,825,197	Greenlight Capital Re, Ltd., Class A (A)	3,873	40,434
<b>Insurance – 2.8%</b>			Hallmark Financial Services, Inc. (A)	1,689	32,209
Admiral Group PLC	20,721	572,865	Hannover Rueck SE	10,569	1,961,080
			Hanwha Life Insurance Company, Ltd.	21,011	40,806
			HCI Group, Inc.	845	39,124

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Insurance (continued)</b>		
Health Insurance Innovations, Inc., Class A (A)(C)	1,298	\$ 23,325
Heritage Insurance Holdings, Inc.	3,393	46,450

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Insurance (continued)</b>		
Sampo OYJ, A Shares	19,235	\$ 777,787
Samsung Fire & Marine Insurance Company, Ltd.	7,207	1,420,498

Horace Mann Educators Corp.	5,262	228,423	Samsung Life Insurance Company, Ltd.	16,625	1,009,678
Hyundai Marine & Fire Insurance Company, Ltd.	15,232	361,990	Sanlam, Ltd.	297,253	1,547,257
iA Financial Corp., Inc.	19,624	1,007,423	SCOR SE	33,214	1,426,672
Independence Holding Company	631	26,666	Selective Insurance Group, Inc.	23,180	1,534,980
Insurance Australia Group, Ltd.	128,148	685,101	Shin Kong Financial Holding Company, Ltd. (A)	1,599,694	526,799
Intact Financial Corp.	23,241	2,395,137	Sompo Holdings, Inc.	61,560	2,428,679
Investors Title Company	197	31,569	Sony Financial Holdings, Inc.	28,900	671,095
IRB Brasil Resseguros SA	39,300	345,315	State Auto Financial Corp.	2,213	72,542
James River Group Holdings, Ltd.	3,831	151,554	Stewart Information Services Corp.	2,945	125,958
Japan Post Holdings Company, Ltd.	291,600	2,742,930	Sul America SA	13,894	173,277
Kemper Corp.	16,609	1,227,737	Sun Life Financial, Inc.	96,707	4,416,721
Kinsale Capital Group, Inc.	2,582	261,453	Suncorp Group, Ltd.	70,753	640,969
Legal & General Group PLC	625,120	2,268,544	Swiss Life Holding AG	5,585	2,769,913
Liberty Holdings, Ltd.	23,531	179,046	Swiss Re AG	49,045	5,312,365
Lincoln National Corp.	9,305	549,460	T&D Holdings, Inc.	103,300	1,216,863
Loews Corp.	12,087	615,228	The Allstate Corp.	15,301	1,703,766
Mapfre SA	200,838	566,060	The Hanover Insurance Group, Inc.	10,491	1,426,042
Marsh & McLennan Companies, Inc.	23,534	2,543,319	The Hartford Financial Services Group, Inc.	16,807	1,039,681
MBIA, Inc. (A)	10,297	96,071	The People's Insurance Company Group of China, Ltd., H Shares	1,249,900	501,328
Medibank Private, Ltd.	157,726	348,275	The Progressive Corp.	27,174	1,985,061
Mercury General Corp.	7,194	352,362	The Travelers Companies, Inc.	12,103	1,654,722
MetLife, Inc.	36,998	1,846,570	Third Point Reinsurance, Ltd. (A)	9,609	91,766
Momentum Metropolitan Holdings	154,696	214,385	Tiptree, Inc.	3,395	26,447
MS&AD Insurance Group Holdings, Inc.	87,768	2,841,248	Tokio Marine Holdings, Inc.	116,314	6,327,973
Muenchener Rueckversicherungs-Gesellschaft AG	24,629	7,067,096	Trupanion, Inc. (A)	3,675	125,244
National General Holdings Corp.	8,691	185,031	Tryg A/S	19,727	567,248
National Western Life Group, Inc., Class A	291	73,399	United Fire Group, Inc.	2,675	117,540
New China Life Insurance Company, Ltd., H Shares	119,100	458,647	United Insurance Holdings Corp.	2,717	34,479
NI Holdings, Inc. (A)	1,301	21,779	Universal Insurance Holdings, Inc.	3,930	114,363
NN Group NV	47,607	1,826,140	Unum Group	9,697	298,086
Old Mutual, Ltd.	773,395	978,643	W.R. Berkley Corp.	38,381	2,609,908
Old Republic International Corp.	75,593	1,705,378	Watford Holdings, Ltd. (A)	2,558	69,194
Orange Life Insurance, Ltd. (B)	8,246	199,518	Willis Towers Watson PLC	5,996	1,177,854
Palomar Holdings, Inc. (A)	741	40,436	ZhongAn Online P&C Insurance Company, Ltd., H Shares (A)(B)(C)	45,700	157,884
PICC Property & Casualty Company, Ltd., H Shares	989,848	1,145,342	Zurich Insurance Group AG	24,225	9,507,222
Ping An Insurance Group Company of China, Ltd., H Shares	791,610	8,988,972			214,984,402
Porto Seguro SA	6,523	90,765	<b>Mortgage real estate investment trusts – 0.0%</b>		
Poste Italiane SpA (B)	116,302	1,355,754	AG Mortgage Investment Trust, Inc.	4,161	64,787
Power Corp. of Canada	53,405	1,293,814	Anworth Mortgage Asset Corp.	13,537	47,650
Power Financial Corp.	49,286	1,203,301	Apollo Commercial Real Estate Finance, Inc.	19,495	356,174
Powszechny Zaklad Ubezpieczen SA	62,843	621,250	Ares Commercial Real Estate Corp.	3,577	55,944
Primerica, Inc.	11,108	1,486,695	Arlington Asset Investment Corp., Class A	5,216	30,514
Principal Financial Group, Inc.	12,052	664,065	ARMOUR Residential REIT, Inc.	7,437	128,363
ProAssurance Corp.	6,809	256,018	Blackstone Mortgage Trust, Inc., Class A	15,776	577,875
ProSight Global, Inc. (A)	1,238	21,256	Capstead Mortgage Corp.	12,150	94,527
Protective Insurance Corp., Class B	1,505	25,389	Cherry Hill Mortgage Investment Corp.	2,187	32,761
Prudential Financial, Inc.	18,685	1,749,290	Colony Credit Real Estate, Inc.	10,537	139,615
Prudential PLC	264,584	4,695,867			

QBE Insurance Group, Ltd.	74,037	635,990	Dynex Capital, Inc.	3,251	54,909
Rand Merchant Investment Holdings, Ltd.	133,506	275,016	Ellington Financial, Inc.	3,746	67,840
Reinsurance Group of America, Inc.	16,646	2,754,247	Exantas Capital Corp.	4,142	49,870
RenaissanceRe Holdings, Ltd.	11,713	2,205,909	Granite Point Mortgage Trust, Inc.	6,868	124,792
RLI Corp.	5,060	462,332	Great Ajax Corp.	2,230	33,963
RSA Insurance Group PLC	112,110	798,729	Invesco Mortgage Capital, Inc.	18,165	295,000
Safety Insurance Group, Inc.	1,858	181,434	KKR Real Estate Finance Trust, Inc.	2,972	60,005
			Ladder Capital Corp.	13,105	226,585
			New York Mortgage Trust, Inc.	29,678	184,894

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Mortgage real estate investment trusts (continued)</b>		
Orchid Island Capital, Inc.	8,123	\$ 46,139
PennyMac Mortgage Investment Trust	10,795	249,257
Ready Capital Corp.	3,985	62,843
Redwood Trust, Inc.	12,122	196,134
TPG RE Finance Trust, Inc.	6,102	123,566
Western Asset Mortgage Capital Corp.	6,608	67,930
		3,371,937
<b>Thriffs and mortgage finance – 0.1%</b>		
Axos Financial, Inc. (A)	7,396	217,812
Bridgewater Bancshares, Inc. (A)	3,161	40,398
Capitol Federal Financial, Inc.	15,623	221,534
Columbia Financial, Inc. (A)	6,806	113,388
Dime Community Bancshares, Inc.	4,229	85,257
Entegra Financial Corp. (A)	961	28,868
ESSA Bancorp, Inc.	1,698	29,257
Essent Group, Ltd.	12,239	668,861
Federal Agricultural Mortgage Corp., Class C	1,145	95,092
First Defiance Financial Corp.	2,520	75,978
Flagstar Bancorp, Inc.	3,522	131,230
FS Bancorp, Inc.	574	34,314
Hingham Institution for Savings	197	37,777
Home Bancorp, Inc.	1,050	40,509
HomeStreet, Inc. (A)	2,953	94,260
Kearny Financial Corp.	10,660	150,306
LendingTree, Inc. (A)	2,033	732,957
Luther Burbank Corp.	2,797	32,333
Merchants Bancorp	1,147	20,623
Meridian Bancorp, Inc.	6,268	126,175
Meta Financial Group, Inc.	4,526	160,990

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Biotechnology (continued)</b>		
Abeona Therapeutics, Inc. (A)	4,737	\$ 15,964
ACADIA Pharmaceuticals, Inc. (A)	13,449	609,105
Acceleron Pharma, Inc. (A)	5,788	283,380
Achillion Pharmaceuticals, Inc. (A)	17,622	109,433
Adamas Pharmaceuticals, Inc. (A)	3,212	19,111
ADMA Biologics, Inc. (A)	7,000	33,250
Adverum Biotechnologies, Inc. (A)	7,010	76,479
Aeglea BioTherapeutics, Inc. (A)	3,657	31,267
Affimed NV (A)	8,475	21,866
Agenus, Inc. (A)	14,218	59,573
Aimmune Therapeutics, Inc. (A)(C)	5,725	159,842
Akcea Therapeutics, Inc. (A)(C)	1,607	31,288
Akebia Therapeutics, Inc. (A)	15,598	98,111
Albireo Pharma, Inc. (A)	1,452	32,844
Alder Biopharmaceuticals, Inc. (A)(C)(D)	9,683	8,521
Aldeyra Therapeutics, Inc. (A)	2,994	23,892
Alector, Inc. (A)(C)	3,906	72,808
Alexion Pharmaceuticals, Inc. (A)	30,912	3,522,113
Allakos, Inc. (A)	2,482	235,790
Allogene Therapeutics, Inc. (A)(C)	4,975	140,196
AMAG Pharmaceuticals, Inc. (A)(C)	4,356	46,391
Amgen, Inc.	82,676	19,405,711
Amicus Therapeutics, Inc. (A)	32,806	343,807
AnaptysBio, Inc. (A)	3,305	44,584
Anavex Life Sciences Corp. (A)	6,271	15,050
Anika Therapeutics, Inc. (A)	1,698	98,144
Apellis Pharmaceuticals, Inc. (A)	6,222	167,247
Arcus Biosciences, Inc. (A)	4,383	36,247
Ardelyx, Inc. (A)	6,329	47,024

MMA Capital Holdings, Inc. (A)	713	22,795	Arena Pharmaceuticals, Inc. (A)	6,393	302,900
Mr. Cooper Group, Inc. (A)	9,684	130,153	ArQule, Inc. (A)	14,355	137,664
New York Community Bancorp, Inc.	123,958	1,477,579	Arrowhead Pharmaceuticals, Inc. (A)	11,907	869,330
NMI Holdings, Inc., Class A (A)	8,318	279,235	Assembly Biosciences, Inc. (A)	2,939	47,671
Northfield Bancorp, Inc.	5,866	99,135	Atara Biotherapeutics, Inc. (A)	6,683	94,965
Northwest Bancshares, Inc.	12,778	212,626	Athenex, Inc. (A)(C)	8,764	136,543
OceanFirst Financial Corp.	6,546	156,973	Athersys, Inc. (A)	19,116	25,233
Ocwen Financial Corp. (A)	18,847	29,401	Audentes Therapeutics, Inc. (A)	5,820	168,955
OP Bancorp	2,017	19,726	Avid Bioservices, Inc. (A)	7,520	41,435
Oritani Financial Corp.	5,197	96,664	Avrobio, Inc. (A)	2,674	42,891
PCSB Financial Corp.	2,241	45,716	Baudax Bio, Inc. (A)	1,050	5,639
PennyMac Financial Services, Inc.	3,102	106,430	BeiGene, Ltd., ADR (A)(C)	1,400	284,606
Pioneer Bancorp, Inc. (A)	1,554	20,637	Beyondspring, Inc. (A)(C)	1,687	21,003
Provident Bancorp, Inc. (A)	1,405	16,579	BioCryst Pharmaceuticals, Inc. (A)	14,979	42,690
Provident Financial Services, Inc.	7,799	189,672	Biogen, Inc. (A)	25,428	7,623,569
Radian Group, Inc.	25,983	671,401	Biohaven Pharmaceutical Holding Company, Ltd. (A)	5,005	286,887
Riverview Bancorp, Inc.	3,210	23,208	BioSpecifics Technologies Corp. (A)	802	44,110
Southern Missouri Bancorp, Inc.	947	35,399	Blueprint Medicines Corp. (A)	6,239	511,848
Sterling Bancorp, Inc.	2,603	25,223	Bridgebio Pharma, Inc. (A)	2,920	84,680
Territorial Bancorp, Inc.	1,162	36,824	Calithera Biosciences, Inc. (A)	6,459	31,778
Timberland Bancorp, Inc.	937	27,768	CareDx, Inc. (A)	5,226	107,238
TrustCo Bank Corp.	12,894	113,209	CASI Pharmaceuticals, Inc. (A)	6,656	22,031
United Community Financial Corp.	6,274	69,704	Castle Biosciences, Inc. (A)	521	14,031
Walker & Dunlop, Inc.	3,508	230,265	Catalyst Pharmaceuticals, Inc. (A)	12,543	58,200
Washington Federal, Inc.	30,938	1,138,828	Celltrion, Inc. (A)	20,440	3,015,733
Waterstone Financial, Inc.	3,256	61,441	Cellular Biomedicine Group, Inc. (A)	1,587	28,661
Western New England Bancorp, Inc.	3,527	34,600	CEL-SCI Corp. (A)(C)	3,607	27,485
WSFS Financial Corp.	6,703	298,887	ChemoCentryx, Inc. (A)	5,439	164,965
		8,807,997	Chimerix, Inc. (A)	7,022	15,448
		1,067,538,101	Clovis Oncology, Inc. (A)(C)	6,585	98,314
<b>Health care – 11.7%</b>			Coherus Biosciences, Inc. (A)	7,918	142,445
<b>Biotechnology – 1.5%</b>			Concert Pharmaceuticals, Inc. (A)	3,127	23,578
3SBio, Inc. (A)(B)	178,300	257,352	Constellation Pharmaceuticals, Inc. (A)	2,004	93,306
AbbVie, Inc.	203,826	17,881,655	Corbus Pharmaceuticals Holdings, Inc. (A)(C)	8,135	38,235

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Biotechnology (continued)</b>		
Crinetics Pharmaceuticals, Inc. (A)	1,543	\$ 30,181
CSL, Ltd.	23,356	4,481,897

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Biotechnology (continued)</b>		
MannKind Corp. (A)(C)	25,913	\$ 31,873
MediciNova, Inc. (A)(C)	5,698	40,570

Cue Biopharma, Inc. (A)	2,848	33,720	Medy-Tox, Inc.	998	255,750
Cytokinetics, Inc. (A)	7,165	69,286	MEI Pharma, Inc. (A)	10,287	20,163
CytomX Therapeutics, Inc. (A)	5,884	36,834	MeiraGTx Holdings PLC (A)	2,229	42,953
Deciphera Pharmaceuticals, Inc. (A)	2,429	114,867	Mersana Therapeutics, Inc. (A)	5,492	21,144
Denali Therapeutics, Inc. (A)	6,145	109,320	Minerva Neurosciences, Inc. (A)	3,985	24,906
Dicerna Pharmaceuticals, Inc. (A)	6,661	160,264	Mirati Therapeutics, Inc. (A)	3,476	350,277
Dynavax Technologies Corp. (A)(C)	10,794	60,986	Molecular Templates, Inc. (A)	2,201	28,679
Eagle Pharmaceuticals, Inc. (A)	1,163	68,012	Momenta Pharmaceuticals, Inc. (A)	12,709	213,511
Editas Medicine, Inc. (A)	6,415	194,246	Myriad Genetics, Inc. (A)	8,976	231,042
Eidos Therapeutics, Inc. (A)(C)	1,410	79,425	Natera, Inc. (A)	7,160	261,268
Eiger BioPharmaceuticals, Inc. (A)	3,130	41,160	NextCure, Inc. (A)	415	19,841
Emergent BioSolutions, Inc. (A)	5,835	320,108	OPKO Health, Inc. (A)(C)	46,282	73,588
Enanta Pharmaceuticals, Inc. (A)	2,202	140,179	Palatin Technologies, Inc. (A)	27,913	23,028
Epizyme, Inc. (A)	10,006	165,299	PDL BioPharma, Inc. (A)	14,701	45,573
Esperion Therapeutics, Inc. (A)(C)	3,205	164,609	PeptiDream, Inc. (A)	16,700	768,318
Exelixis, Inc. (A)	80,340	1,336,054	Pfenex, Inc. (A)	3,830	39,755
Fate Therapeutics, Inc. (A)	6,760	105,591	Pieris Pharmaceuticals, Inc. (A)	6,022	24,510
FibroGen, Inc. (A)	9,934	420,904	Portola Pharmaceuticals, Inc. (A)	9,582	273,566
Five Prime Therapeutics, Inc. (A)	5,001	19,604	Precision BioSciences, Inc. (A)	1,307	23,225
Flexion Therapeutics, Inc. (A)	4,400	78,012	Prevail Therapeutics, Inc. (A)	1,104	15,887
Forty Seven, Inc. (A)	3,037	38,388	Principia Biopharma, Inc. (A)	1,731	62,022
G1 Therapeutics, Inc. (A)(C)	4,383	94,673	Progenics Pharmaceuticals, Inc. (A)(C)	11,444	59,738
Galectin Therapeutics, Inc. (A)(C)	6,017	19,435	Protagonist Therapeutics, Inc. (A)	2,422	21,071
Genmab A/S (A)	10,131	2,360,407	Prothena Corp. PLC (A)	5,345	68,523
Geron Corp. (A)	23,935	34,227	PTC Therapeutics, Inc. (A)	7,323	343,888
Gilead Sciences, Inc.	174,596	11,739,835	Puma Biotechnology, Inc. (A)	4,116	39,061
Global Blood Therapeutics, Inc. (A)	7,397	491,901	Ra Pharmaceuticals, Inc. (A)	4,454	208,135
GlycoMimetics, Inc. (A)	4,658	27,389	Radius Health, Inc. (A)	5,788	129,651
Gossamer Bio, Inc. (A)	5,512	140,556	Recro Pharma, Inc. (A)	2,457	40,639
Grifols SA	48,991	1,673,438	Regeneron Pharmaceuticals, Inc. (A)	11,016	4,064,904
Gritstone Oncology, Inc. (A)	3,450	30,050	REGENXBIO, Inc. (A)	4,288	179,496
Halozyyme Therapeutics, Inc. (A)	18,362	356,039	Repligen Corp. (A)	18,902	1,677,553
Harpoon Therapeutics, Inc. (A)	1,090	20,383	Replimune Group, Inc. (A)	1,649	22,921
Helixmith Company, Ltd. (A)	4,358	335,935	Retrophin, Inc. (A)	5,444	75,508
Heron Therapeutics, Inc. (A)	9,487	242,488	Rhythm Pharmaceuticals, Inc. (A)(C)	2,975	66,789
Homology Medicines, Inc. (A)	3,249	51,984	Rigel Pharmaceuticals, Inc. (A)	22,148	49,612
ImmunoGen, Inc. (A)	19,118	69,016	Rocket Pharmaceuticals, Inc. (A)(C)	3,811	67,035
Immunomedics, Inc. (A)	22,361	419,940	Rubius Therapeutics, Inc. (A)(C)	4,775	36,768
Incyte Corp. (A)	24,609	2,317,183	Sangamo Therapeutics, Inc. (A)	14,834	160,207
Inovio Pharmaceuticals, Inc. (A)(C)	12,668	31,923	Scholar Rock Holding Corp. (A)	2,523	21,471
Insmed, Inc. (A)	11,420	263,231	Seres Therapeutics, Inc. (A)	4,941	19,517
Intellia Therapeutics, Inc. (A)(C)	5,080	88,036	SillaJen, Inc. (A)	13,663	168,270
Intercept Pharmaceuticals, Inc. (A)	3,225	349,493	Sorrento Therapeutics, Inc. (A)(C)	16,491	48,154
Intrexon Corp. (A)(C)	9,373	52,208	Spark Therapeutics, Inc. (A)(C)	4,384	487,238
Invitae Corp. (A)(C)	11,099	220,870	Spectrum Pharmaceuticals, Inc. (A)	14,446	129,725
Iovance Biotherapeutics, Inc. (A)	14,656	334,596	Spero Therapeutics, Inc. (A)	1,678	20,069
Ironwood Pharmaceuticals, Inc. (A)	19,790	237,876	Stemline Therapeutics, Inc. (A)	5,865	62,697
Kadmon Holdings, Inc. (A)	17,105	75,604	Stoke Therapeutics, Inc. (A)	1,222	29,939
KalVista Pharmaceuticals, Inc. (A)	1,652	23,921	Sutro Biopharma, Inc. (A)	1,486	16,465
Karuna Therapeutics, Inc. (A)	609	43,775	Syndax Pharmaceuticals, Inc. (A)	2,661	19,399
Karyopharm Therapeutics, Inc. (A)	7,585	132,889	Synthorx, Inc. (A)	1,261	22,572
Kindred Biosciences, Inc. (A)	4,948	38,941	Syros Pharmaceuticals, Inc. (A)	4,826	24,613
Kiniksa Pharmaceuticals, Ltd., Class A (A)	1,986	21,151	TaiMed Biologics, Inc. (A)	23,000	102,900
			TCR2 Therapeutics, Inc. (A)	1,558	26,408

Kodiak Sciences, Inc. (A)(C)	3,036	89,866	TG Therapeutics, Inc. (A)(C)	10,695	87,592
Krystal Biotech, Inc. (A)	1,353	76,458	The Medicines Company (A)(C)	9,634	811,183
Kura Oncology, Inc. (A)	4,447	70,885	Translate Bio, Inc. (A)	3,770	37,889
Lexicon Pharmaceuticals, Inc. (A)(C)	5,893	20,802	Turning Point Therapeutics, Inc. (A)	855	48,068
Ligand Pharmaceuticals, Inc. (A)	7,410	837,330	Twist Bioscience Corp. (A)	2,779	66,224
Lineage Cell Therapeutics, Inc. (A)	17,302	15,572	Ultragenyx Pharmaceutical, Inc. (A)	7,012	278,026
MacroGenics, Inc. (A)	6,201	58,723	United Therapeutics Corp. (A)	11,630	1,072,984
Madrigal Pharmaceuticals, Inc. (A)(C)	1,011	111,908	UNITY Biotechnology, Inc. (A)	3,620	27,946
Magenta Therapeutics, Inc. (A)	2,555	33,828	UroGen Pharma, Ltd. (A)	2,491	78,815

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Biotechnology (continued)</b>		
Vanda Pharmaceuticals, Inc. (A)	6,740	\$ 112,760
Veracyte, Inc. (A)	6,021	172,923
Vericel Corp. (A)	5,671	105,821
Vertex Pharmaceuticals, Inc. (A)	35,435	7,857,711
Viking Therapeutics, Inc. (A)(C)	8,407	61,539
Voyager Therapeutics, Inc. (A)	3,083	42,052
X4 Pharmaceuticals, Inc. (A)	1,657	17,614
XBioTech, Inc. (A)(C)	2,467	28,346
Xencor, Inc. (A)	6,067	239,040
Y-mAbs Therapeutics, Inc. (A)	2,641	89,134
ZIOPHARM Oncology, Inc. (A)(C)	20,683	107,758
		113,251,633
<b>Health care equipment and supplies – 2.7%</b>		
Abbott Laboratories	268,336	22,929,311
ABIOMED, Inc. (A)	6,889	1,351,484
Accuray, Inc. (A)	11,478	35,352
Alcon, Inc. (A)	65,628	3,625,188
Align Technology, Inc. (A)	11,035	3,060,447
Alphatec Holdings, Inc. (A)	4,820	33,981
AngioDynamics, Inc. (A)	4,769	73,300
Antares Pharma, Inc. (A)	20,811	98,436
Apyx Medical Corp. (A)	4,290	34,234
Asahi Intecc Company, Ltd.	35,000	1,020,726
AtriCure, Inc. (A)	4,744	141,134
Atrion Corp.	179	126,141
Avanos Medical, Inc. (A)	18,708	648,419
Axogen, Inc. (A)	4,426	76,703
Axonics Modulation Technologies, Inc. (A)	1,977	48,219
Baxter International, Inc.	77,516	6,353,987

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Health care equipment and supplies (continued)</b>		
Integra LifeSciences Holdings Corp. (A)	18,829	\$ 1,148,381
IntriCon Corp. (A)	1,135	21,361
Intuitive Surgical, Inc. (A)	17,498	10,374,564
Invacare Corp.	4,357	38,037
iRadimed Corp. (A)	637	14,001
iRhythm Technologies, Inc. (A)	3,167	228,309
Koninklijke Philips NV	138,090	6,411,507
Lantheus Holdings, Inc. (A)	4,877	101,929
LeMaitre Vascular, Inc.	2,080	73,986
LivaNova PLC (A)	19,027	1,593,702
Masimo Corp. (A)	13,012	2,017,771
Medtronic PLC	203,700	22,690,143
Meridian Bioscience, Inc.	5,692	52,082
Merit Medical Systems, Inc. (A)	6,885	192,780
Mesa Laboratories, Inc.	479	112,143
Misonix, Inc. (A)	945	19,439
Natus Medical, Inc. (A)	4,305	137,717
Neogen Corp. (A)	6,538	435,235
Nevro Corp. (A)	3,801	424,876
Novocure, Ltd. (A)	11,070	1,020,433
NuVasive, Inc. (A)	20,411	1,474,491
Olympus Corp.	209,224	3,107,305
OraSure Technologies, Inc. (A)	8,100	65,610
Orthofix Medical, Inc. (A)	2,330	105,782
OrthoPediatrics Corp. (A)	1,134	44,612
Penumbra, Inc. (A)	8,490	1,502,051
Pulse Biosciences, Inc. (A)(C)	1,547	22,462
Quidel Corp. (A)	4,522	310,300
ResMed, Inc.	21,813	3,263,225

Becton, Dickinson and Company	40,986	10,594,881	Rockwell Medical, Inc. (A)	8,917	20,331
BioLife Solutions, Inc. (A)(C)	921	15,427	RTI Surgical Holdings, Inc. (A)	8,402	15,544
BioMerieux	8,367	756,476	SeaSpine Holdings Corp. (A)	2,237	29,596
BioSig Technologies, Inc. (A)	2,251	15,284	Senseonics Holdings, Inc. (A)(C)	17,913	18,630
Boston Scientific Corp. (A)	211,489	9,146,899	Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	285,200	344,198
Cantel Medical Corp.	9,748	749,621	Shockwave Medical, Inc. (A)	868	33,991
Cardiovascular Systems, Inc. (A)	4,369	199,052	SI-BONE, Inc. (A)	2,063	36,701
Carl Zeiss Meditec AG, Bearer Shares	6,761	826,159	Siemens Healthineers AG (B)	25,141	1,219,202
Cerus Corp. (A)	17,927	77,803	Sientra, Inc. (A)	5,035	43,100
Cochlear, Ltd.	2,967	470,166	Silk Road Medical, Inc. (A)	1,487	53,562
Coloplast A/S, B Shares	18,458	2,180,736	Smith & Nephew PLC	89,235	1,991,796
Conformis, Inc. (A)	8,995	16,731	Sonova Holding AG	8,769	2,003,603
CONMED Corp.	3,455	391,348	STAAR Surgical Company (A)	5,695	209,918
CryoLife, Inc. (A)	4,680	115,736	STERIS PLC	22,461	3,394,756
CryoPort, Inc. (A)	3,998	62,969	Straumann Holding AG	1,635	1,573,605
Cutera, Inc. (A)	1,790	68,557	Stryker Corp.	48,716	9,979,960
CytoSorbents Corp. (A)(C)	4,400	17,556	Surmodics, Inc. (A)	1,671	68,578
Danaher Corp.	96,934	14,150,425	Sysmex Corp.	30,100	2,087,230
Demant A/S (A)	17,001	520,200	Tactile Systems Technology, Inc. (A)	2,322	149,096
DENTSPLY SIRONA, Inc.	34,037	1,924,452	Tandem Diabetes Care, Inc. (A)	7,137	492,667
Edwards Lifesciences Corp. (A)	31,575	7,733,981	Teleflex, Inc.	7,019	2,480,093
Fisher & Paykel Healthcare Corp., Ltd.	55,073	783,257	Terumo Corp.	115,946	4,072,465
GenMark Diagnostics, Inc. (A)	7,384	41,203	The Cooper Companies, Inc.	7,527	2,356,628
Glaukos Corp. (A)	4,957	317,900	Top Glove Corp. BHD	50,600	54,514
Globus Medical, Inc., Class A (A)	29,991	1,677,996	TransMedics Group, Inc. (A)	933	17,494
Haemonetics Corp. (A)	19,980	2,409,588	Utah Medical Products, Inc.	454	48,496
Hartalega Holdings BHD	50,700	63,743	Vapotherm, Inc. (A)	2,051	22,684
Heska Corp. (A)	877	83,754	Varex Imaging Corp. (A)	4,824	144,431
Hill-Rom Holdings, Inc.	17,721	1,899,868	Varian Medical Systems, Inc. (A)	13,825	1,848,817
Hologic, Inc. (A)	40,584	2,082,771	ViewRay, Inc. (A)	9,043	30,023
Hoya Corp.	68,500	6,258,424	West Pharmaceutical Services, Inc.	19,560	2,875,907
ICU Medical, Inc. (A)	5,098	955,773	Wright Medical Group NV (A)	16,100	479,297
IDEXX Laboratories, Inc. (A)	13,071	3,288,402	Zimmer Biomet Holdings, Inc.	31,172	4,528,668
Inogen, Inc. (A)	2,347	172,763	Zynex, Inc.	2,028	21,294
Integer Holdings Corp. (A)	4,133	313,488			
					209,791,560

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Health care providers and services – 1.9%</b>		
Acadia Healthcare Company, Inc. (A)	23,479	\$ 755,085
Addus HomeCare Corp. (A)	1,316	122,664
Alfresa Holdings Corp.	33,800	698,920

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Health care providers and services (continued)</b>		
Ramsay Health Care, Ltd.	8,261	\$ 408,258
Ryman Healthcare, Ltd.	38,533	373,557
Select Medical Holdings Corp. (A)	14,011	309,783

Amedisys, Inc. (A)	12,523	2,040,748	Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	115,500	207,144
American Renal Associates Holdings, Inc. (A)	2,583	24,435	Sinopharm Group Company, Ltd., H Shares	167,500	553,210
AmerisourceBergen Corp.	23,089	2,029,754	Sonic Healthcare, Ltd.	23,076	470,665
AMN Healthcare Services, Inc. (A)	5,844	347,543	Surgery Partners, Inc. (A)	3,229	44,496
Anthem, Inc.	38,840	11,211,554	Suzuken Company, Ltd.	12,900	564,545
Apollo Medical Holdings, Inc. (A)	821	15,000	Tenet Healthcare Corp. (A)	40,559	1,306,000
Bangkok Dusit Medical Services PCL, Foreign Quota Shares	935,712	761,637	The Ensign Group, Inc.	6,431	279,298
Bangkok Dusit Medical Services PCL, NVDR	18,100	14,733	The Joint Corp. (A)	1,647	31,540
BioTelemetry, Inc. (A)	4,256	197,095	The Pennant Group, Inc. (A)	3,275	76,701
Brookdale Senior Living, Inc. (A)	23,687	169,125	The Providence Service Corp. (A)	1,482	88,461
Bumrungrad Hospital PCL, Foreign Quota Shares	19,500	87,432	Tivity Health, Inc. (A)(C)	6,034	136,670
Bumrungrad Hospital PCL, NVDR	3,100	13,900	Triple-S Management Corp., Class B (A)	2,915	55,822
Cardinal Health, Inc.	45,265	2,490,933	UnitedHealth Group, Inc.	143,882	40,268,255
Catasys, Inc. (A)(C)	1,005	15,477	Universal Health Services, Inc., Class B	12,333	1,720,330
Celltrion Healthcare Company, Ltd. (A)	11,501	480,538	US Physical Therapy, Inc.	1,585	185,223
Centene Corp. (A)	62,796	3,797,274	WellCare Health Plans, Inc. (A)	7,639	2,460,293
Chemed Corp.	4,223	1,815,974			144,206,704
Cigna Corp.	57,331	11,461,614	<b>Health care technology – 0.1%</b>		
Community Health Systems, Inc. (A)	11,365	36,368	Alibaba Health Information Technology, Ltd. (A)	497,100	562,601
CorVel Corp. (A)	1,139	93,979	Allscripts Healthcare Solutions, Inc. (A)	65,441	705,454
Cross Country Healthcare, Inc. (A)	4,656	56,198	Castlight Health, Inc., B Shares (A)	14,720	20,461
CVS Health Corp.	197,449	14,861,986	Cerner Corp.	48,340	3,460,661
DaVita, Inc. (A)	13,784	989,278	Computer Programs & Systems, Inc.	1,624	43,182
Diplomat Pharmacy, Inc. (A)	7,878	40,572	Evolent Health, Inc., Class A (A)	9,586	69,115
Encompass Health Corp.	26,164	1,850,056	Health Catalyst, Inc. (A)	1,027	40,803
Enzo Biochem, Inc. (A)	6,321	16,751	HealthStream, Inc. (A)	3,317	96,624
Fresenius Medical Care AG & Company KGaA	36,362	2,662,089	HMS Holdings Corp. (A)	11,076	334,495
Fresenius SE & Company KGaA	70,377	3,850,069	Inovalon Holdings, Inc., Class A (A)	9,080	163,440
Genesis Healthcare, Inc. (A)	11,407	19,164	Inspire Medical Systems, Inc. (A)	1,691	119,993
Hanger, Inc. (A)	4,605	120,651	Livongo Health, Inc. (A)(C)	1,843	52,636
HCA Healthcare, Inc.	40,381	5,599,229	M3, Inc.	79,300	2,182,505
HealthEquity, Inc. (A)	27,566	1,733,626	NextGen Healthcare, Inc. (A)	6,990	128,756
Henry Schein, Inc. (A)	22,509	1,550,870	Omniceil, Inc. (A)	5,283	422,587
Humana, Inc.	20,510	6,998,627	OptimizeRx Corp. (A)	1,888	20,202
IHH Healthcare BHD	73,109	94,032	Phreesia, Inc. (A)	1,285	36,134
Laboratory Corp. of America Holdings (A)	14,833	2,555,578	Simulations Plus, Inc.	1,485	49,629
LHC Group, Inc. (A)	3,823	509,988	Tabula Rasa HealthCare, Inc. (A)(C)	2,488	110,990
Life Healthcare Group Holdings, Ltd.	214,023	360,484	Teladoc Health, Inc. (A)(C)	9,098	761,867
Magellan Health, Inc. (A)	2,800	217,644	Vocera Communications, Inc. (A)(C)	3,979	86,344
McKesson Corp.	28,073	4,060,479			9,468,479
Medipal Holdings Corp.	32,800	704,276	<b>Life sciences tools and services – 0.7%</b>		
MEDNAX, Inc. (A)	22,336	583,416	Accelerate Diagnostics, Inc. (A)(C)	3,518	52,559
Molina Healthcare, Inc. (A)	16,633	2,253,772	Agilent Technologies, Inc.	40,072	3,236,615
National HealthCare Corp.	1,518	129,030	Bio-Rad Laboratories, Inc., Class A (A)	5,701	2,105,835
National Research Corp.	1,523	98,249	Bio-Techne Corp.	10,096	2,203,452
Netcare, Ltd.	177,625	242,224	Cambrex Corp. (A)	4,308	258,351
NMC Health PLC (C)	9,721	315,293	Charles River Laboratories International, Inc. (A)	12,945	1,880,261
Notre Dame Intermedica Participacoes SA	18,500	246,407			

Option Care Health, Inc. (A)	15,984	49,710	ChromaDex Corp. (A)(C)	5,653	20,577
Owens & Minor, Inc.	7,880	52,166	Codexis, Inc. (A)	6,682	103,838
Patterson Companies, Inc.	33,514	652,182	Eurofins Scientific SE (C)	2,332	1,224,491
PetIQ, Inc. (A)	2,497	57,431	Fluidigm Corp. (A)	9,583	24,149
Quest Diagnostics, Inc.	20,446	2,178,521	Genscript Biotech Corp. (A)	131,400	317,222
R1 RCM, Inc. (A)	13,271	171,063	Illumina, Inc. (A)	19,034	6,105,346
RadNet, Inc. (A)	5,405	103,560	IQVIA Holdings, Inc. (A)	23,590	3,443,668
			Lonza Group AG (A)	11,812	4,012,639
			Luminex Corp.	5,366	113,384
			Medpace Holdings, Inc. (A)	3,525	270,262
			Mettler-Toledo International, Inc. (A)	3,187	2,292,760

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Life sciences tools and services (continued)</b>		
NanoString Technologies, Inc. (A)	4,244	\$ 114,248
NeoGenomics, Inc. (A)	12,165	313,979
Pacific Biosciences of California, Inc. (A)	18,278	93,949
PerkinElmer, Inc.	14,383	1,336,181
PRA Health Sciences, Inc. (A)	16,655	1,812,231
QIAGEN NV (A)	38,257	1,638,050
Quanterix Corp. (A)	1,664	42,149
Samsung Biologics Company, Ltd. (A)(B)	3,773	1,259,796
Sartorius Stedim Biotech	5,624	892,868
Syneos Health, Inc. (A)	24,400	1,339,804
Thermo Fisher Scientific, Inc.	51,856	16,280,191
Waters Corp. (A)	8,644	1,919,573
WuXi AppTec Company, Ltd., H Shares (B)	21,280	246,977
Wuxi Biologics Cayman, Inc. (A)(B)	78,200	883,642
		55,839,047
<b>Pharmaceuticals – 4.8%</b>		
AcelRx Pharmaceuticals, Inc. (A)(C)	11,219	20,867
Aerie Pharmaceuticals, Inc. (A)(C)	5,392	102,394
Akorn, Inc. (A)	12,350	45,078
Allergan PLC	45,140	8,348,192
Amneal Pharmaceuticals, Inc. (A)	12,520	47,075
Amphastar Pharmaceuticals, Inc. (A)	4,663	90,975
ANI Pharmaceuticals, Inc. (A)	1,180	72,712
Arvinas, Inc. (A)(C)	2,401	92,198
Aspen Pharmacare Holdings, Ltd. (A)	60,601	484,824
Astellas Pharma, Inc.	339,400	5,794,495

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Pharmaceuticals (continued)</b>		
H Lundbeck A/S	10,759	\$ 412,182
Hanmi Pharm Company, Ltd.	1,462	396,275
Hanmi Science Company, Ltd.	3,006	99,311
Hisamitsu Pharmaceutical Company, Inc.	9,400	461,573
Hutchison China MediTech, Ltd., ADR (A)	8,500	204,935
Hypera SA	19,979	157,238
Innoviva, Inc. (A)	8,142	109,754
Intersect ENT, Inc. (A)	3,986	86,416
Intra-Cellular Therapies, Inc. (A)(C)	5,894	57,231
Ipsen SA	7,660	865,161
Johnson & Johnson	363,173	49,932,656
Kala Pharmaceuticals, Inc. (A)	3,458	14,420
Kalbe Farma Tbk PT	639,210	69,043
Kyowa Kirin Company, Ltd.	43,528	924,566
Lannett Company, Inc. (A)(C)	4,114	36,285
Luye Pharma Group, Ltd. (B)	161,600	118,679
Mallinckrodt PLC (A)(C)	11,195	42,205
Merck & Company, Inc.	352,331	30,716,217
Merck KGaA	21,767	2,540,680
Mitsubishi Tanabe Pharma Corp.	39,800	728,776
Mylan NV (A)	70,988	1,333,155
MyoKardia, Inc. (A)	5,681	370,117
Nektar Therapeutics (A)	46,488	943,242
NGM Biopharmaceuticals, Inc. (A)	981	16,167
Novartis AG	340,738	31,411,232
Novo Nordisk A/S, B Shares	276,743	15,556,324
Ocular Therapeutix, Inc. (A)(C)	5,892	23,509

AstraZeneca PLC	134,295	12,973,937	Odonate Therapeutics, Inc. (A)	1,516	52,120
Aurora Cannabis, Inc. (A)(C)	112,087	280,154	Omeros Corp. (A)(C)	6,057	89,644
Axsome Therapeutics, Inc. (A)(C)	3,230	127,165	Ono Pharmaceutical Company, Ltd.	68,200	1,530,935
Bausch Health Companies, Inc. (A)	49,855	1,408,236	Optinose, Inc. (A)(C)	3,339	31,186
Bayer AG	157,346	11,883,484	Orion OYJ, Class B	4,065	176,913
BioDelivery Sciences International, Inc. (A)	10,821	73,799	Otsuka Holdings Company, Ltd.	70,200	3,064,116
Bristol-Myers Squibb Company	322,626	18,370,324	Pacira BioSciences, Inc. (A)	5,200	240,344
Canopy Growth Corp. (A)(C)	32,576	605,757	Perrigo Company PLC	18,722	959,128
Cara Therapeutics, Inc. (A)(C)	5,088	132,186	Pfizer, Inc.	761,124	29,318,496
Catalent, Inc. (A)	38,730	2,013,573	Phibro Animal Health Corp., Class A	2,668	64,726
Celltrion Pharm, Inc. (A)	3,529	106,150	Prestige Consumer Healthcare, Inc. (A)	19,780	747,091
Chiasma, Inc. (A)	4,828	25,830	Reata Pharmaceuticals, Inc., Class A (A)	2,816	549,486
China Medical System Holdings, Ltd.	192,500	273,902	Recordati SpA	22,228	931,801
China Resources Pharmaceutical Group, Ltd. (B)	218,500	190,870	Revance Therapeutics, Inc. (A)	5,746	102,853
China Traditional Chinese Medicine Holdings Company, Ltd.	322,400	143,743	Richter Gedeon Nyrt	21,026	402,637
Chugai Pharmaceutical Company, Ltd.	40,200	3,511,748	Roche Holding AG	111,419	34,349,675
Collegium Pharmaceutical, Inc. (A)	4,174	90,701	Sanofi	228,575	21,307,460
Corcept Therapeutics, Inc. (A)	12,287	157,642	Santen Pharmaceutical Company, Ltd.	64,600	1,210,824
Corium International, Inc. (A)(D)	3,584	645	Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares	73,500	206,543
CorMedix, Inc. (A)(C)	3,196	19,591	Shionogi & Company, Ltd.	48,363	2,846,867
Cronos Group, Inc. (A)(C)	29,114	199,237	SIGA Technologies, Inc. (A)	6,946	34,035
CSPC Pharmaceutical Group, Ltd.	661,100	1,504,563	Sihuan Pharmaceutical Holdings Group, Ltd.	546,000	62,060
Cymabay Therapeutics, Inc. (A)	10,358	18,230	Sino Biopharmaceutical, Ltd.	978,350	1,262,340
Daiichi Sankyo Company, Ltd.	101,900	6,393,789	SSY Group, Ltd.	213,300	167,819
Dermira, Inc. (A)	6,284	51,152	Sumitomo Dainippon Pharma Company, Ltd.	28,600	540,309
Eisai Company, Ltd.	45,254	3,355,263	Supernus Pharmaceuticals, Inc. (A)	6,376	149,071
Elanco Animal Health, Inc. (A)(D)	6,772	171	Taisho Pharmaceutical Holdings Company, Ltd.	6,400	472,722
Eli Lilly & Company	116,910	13,719,389	Takeda Pharmaceutical Company, Ltd.	267,028	10,879,537
Eloxx Pharmaceuticals, Inc. (A)(C)	3,741	19,528	Teva Pharmaceutical Industries, Ltd., ADR (A)(C)	150,236	1,565,459
Endo International PLC (A)	28,932	146,975	TherapeuticsMD, Inc. (A)	25,319	63,551
Evolus, Inc. (A)(C)	1,966	27,504	Theravance Biopharma, Inc. (A)	5,670	123,379
EyePoint Pharmaceuticals, Inc. (A)	9,572	14,741			
GlaxoSmithKline PLC	510,492	11,598,135			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Pharmaceuticals (continued)</b>		
Tong Ren Tang Technologies Company, Ltd., H Shares	77,300	\$ 66,646

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Aerospace and defense (continued)</b>		
Wesco Aircraft Holdings, Inc. (A)	6,727	\$ 73,728
		150,948,433

Tricida, Inc. (A)	2,809	112,248	<b>Air freight and logistics – 0.4%</b>		
UCB SA	38,204	3,095,162	Air Transport Services Group, Inc. (A)	7,492	184,378
Verrica Pharmaceuticals, Inc. (A)	1,689	25,453	Atlas Air Worldwide Holdings, Inc. (A)	2,965	77,357
Vifor Pharma AG	7,222	1,287,974	Bollore SA	177,034	756,693
WaVe Life Sciences, Ltd. (A)	2,926	96,997	C.H. Robinson Worldwide, Inc.	10,500	806,925
Xeris Pharmaceuticals, Inc. (A)	3,526	31,487	Deutsche Post AG	166,950	6,224,079
Yuhan Corp.	2,040	373,538	DSV Panalpina A/S	34,057	3,708,306
Zoetis, Inc.	65,716	7,920,092	Echo Global Logistics, Inc. (A)	3,496	70,025
Zogenix, Inc. (A)	5,458	260,783	Expeditors International of Washington, Inc.	13,242	989,972
Zynerba Pharmaceuticals, Inc. (A)	3,167	20,047	FedEx Corp.	18,615	2,979,331
		368,957,827	Forward Air Corp.	3,609	252,738
		901,515,250	Hub Group, Inc., Class A (A)	4,142	211,532
<b>Industrials – 10.7%</b>			Hyundai Glovis Company, Ltd.	4,301	548,586
<b>Aerospace and defense – 2.0%</b>			Radiant Logistics, Inc. (A)	5,370	28,730
AAR Corp.	4,264	190,558	SG Holdings Company, Ltd.	25,600	614,646
Aerojet Rocketdyne Holdings, Inc. (A)	9,294	410,795	Sinotrans, Ltd., H Shares	287,200	89,479
AeroVironment, Inc. (A)	2,744	168,317	United Parcel Service, Inc., Class B	54,165	6,485,175
Airbus SE	118,620	17,430,575	XPO Logistics, Inc. (A)	24,449	2,021,688
Arconic, Inc.	56,003	1,733,853	Yamato Holdings Company, Ltd.	55,300	946,769
Aselsan Elektronik Sanayi Ve Ticaret AS	23,799	77,186	ZTO Express Cayman, Inc., ADR	45,000	957,600
Astronics Corp. (A)	3,165	92,260			27,954,009
AviChina Industry & Technology Company, Ltd., H Shares	348,300	158,819	<b>Airlines – 0.2%</b>		
Axon Enterprise, Inc. (A)	23,154	1,708,765	Air Canada (A)	21,477	806,822
BAE Systems PLC	327,716	2,426,887	Air China, Ltd., H Shares	258,966	235,615
Bombardier, Inc., Class B (A)	336,035	503,433	AirAsia Group BHD	66,746	27,025
CAE, Inc.	42,769	1,152,055	Alaska Air Group, Inc. (C)	9,561	659,805
Cubic Corp.	3,975	236,711	Allegiant Travel Company	1,648	279,715
Curtiss-Wright Corp.	11,333	1,556,134	American Airlines Group, Inc.	30,738	883,410
Dassault Aviation SA	508	691,228	ANA Holdings, Inc.	20,400	695,050
Ducommun, Inc. (A)	1,386	67,748	China Airlines, Ltd.	311,000	91,829
Embraer SA	37,108	158,207	China Eastern Airlines Corp., Ltd., H Shares (A)	262,400	133,243
General Dynamics Corp.	33,825	6,147,356	China Southern Airlines Company, Ltd., H Shares (C)	240,900	150,570
Huntington Ingalls Industries, Inc.	5,976	1,503,980	Delta Air Lines, Inc.	44,884	2,572,302
Korea Aerospace Industries, Ltd.	16,663	526,703	Deutsche Lufthansa AG	40,442	766,970
Kratos Defense & Security Solutions, Inc. (A)	11,516	207,979	easyJet PLC	16,277	280,633
L3Harris Technologies, Inc.	32,280	6,491,185	Eva Airways Corp.	302,066	138,584
Leonardo SpA	87,006	1,015,859	Hawaiian Holdings, Inc.	6,003	181,831
Lockheed Martin Corp.	35,928	14,048,926	Japan Airlines Company, Ltd.	20,600	640,370
Maxar Technologies, Inc. (C)	7,755	80,652	JetBlue Airways Corp. (A)	78,579	1,514,217
Meggitt PLC	79,121	657,489	Korean Air Lines Company, Ltd.	10,886	228,580
Mercury Systems, Inc. (A)	21,613	1,583,152	Latam Airlines Group SA	19,571	206,436
Moog, Inc., Class A	4,089	351,122	Mesa Air Group, Inc. (A)	2,958	21,505
MTU Aero Engines AG	8,765	2,372,805	Singapore Airlines, Ltd.	82,640	555,582
National Presto Industries, Inc.	647	57,570	SkyWest, Inc.	6,364	398,641
Northrop Grumman Corp.	22,749	8,002,416	Southwest Airlines Company	37,522	2,162,768
Park Aerospace Corp.	2,451	39,976	Spirit Airlines, Inc. (A)	8,724	340,847
Parsons Corp. (A)	2,452	98,154	Turk Hava Yollari AO (A)	37,345	88,568
Raytheon Company	40,263	8,753,981	United Airlines Holdings, Inc. (A)	17,138	1,590,406
Rolls-Royce Holdings PLC (A)	175,287	1,610,693			15,651,324
Safran SA	66,529	10,877,394	<b>Building products – 0.5%</b>		
Singapore Technologies Engineering, Ltd.	236,400	714,143	AAON, Inc.	5,221	257,761

Teledyne Technologies, Inc. (A)	9,649	3,299,862	Advanced Drainage Systems, Inc.	4,634	176,833
Textron, Inc.	33,270	1,538,405	AGC, Inc.	32,784	1,198,840
Thales SA	21,605	2,116,438	Allegion PLC	12,887	1,546,827
The Boeing Company	77,285	28,300,221	American Woodmark Corp. (A)	2,156	221,852
TransDigm Group, Inc.	7,176	4,069,510	AO Smith Corp.	19,094	924,150
Triumph Group, Inc.	6,363	176,319	Apogee Enterprises, Inc.	3,353	128,219
United Technologies Corp.	117,269	17,395,683	Assa Abloy AB, B Shares	176,414	4,189,127
Vectrus, Inc. (A)	1,437	73,201	Builders FirstSource, Inc. (A)	14,543	369,538

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Building products (continued)</b>		
Caesarstone, Ltd.	3,117	\$ 48,812
Cie de Saint-Gobain	100,141	4,054,535
Continental Building Products, Inc. (A)	4,452	163,789
Cornerstone Building Brands, Inc. (A)	6,119	42,221
CSW Industrials, Inc.	1,868	137,914
Daikin Industries, Ltd.	44,800	6,453,939
Fortune Brands Home & Security, Inc.	19,305	1,221,234
Geberit AG	5,840	3,135,451
Gibraltar Industries, Inc. (A)	4,130	215,669
Griffon Corp.	4,674	99,182
Insteel Industries, Inc.	2,495	58,208
JELD-WEN Holding, Inc. (A)	8,698	197,880
Johnson Controls International PLC	109,815	4,703,376
KCC Corp.	1,343	247,087
Kingspan Group PLC	23,127	1,245,436
Lennox International, Inc.	9,347	2,391,430
LIXIL Group Corp.	47,800	808,100
Masco Corp.	39,947	1,859,533
Masonite International Corp. (A)	3,191	229,114
Owens Corning	28,855	1,935,016
Patrick Industries, Inc. (A)	2,903	143,757
PGT Innovations, Inc. (A)	7,357	105,794
Quanex Building Products Corp.	4,295	83,581
Resideo Technologies, Inc. (A)	32,565	318,486
Simpson Manufacturing Company, Inc.	5,672	460,566
TOTO, Ltd.	25,400	1,112,396
Trex Company, Inc. (A)	22,967	1,976,540
Universal Forest Products, Inc.	7,592	376,563
		42,838,756
<b>Commercial services and supplies – 0.6%</b>		
ABM Industries, Inc.	8,457	321,281

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Commercial services and supplies (continued)</b>		
Park24 Company, Ltd.	20,700	\$ 501,212
PICO Holdings, Inc. (A)	2,771	30,426
Pitney Bowes, Inc. (C)	21,801	102,683
Quad/Graphics, Inc.	4,595	20,632
Rentokil Initial PLC	187,784	1,079,734
Republic Services, Inc.	30,852	2,735,030
Rollins, Inc.	20,522	735,714
RR Donnelley & Sons Company	9,400	37,318
S-1 Corp.	3,852	305,587
Secom Company, Ltd.	37,594	3,192,650
Securitas AB, B Shares	54,659	906,384
Societe BIC SA	5,085	350,154
Sohgo Security Services Company, Ltd.	12,700	660,748
SP Plus Corp. (A)	2,900	127,165
Steelcase, Inc., Class A	11,106	201,241
Stericycle, Inc. (A)	24,168	1,518,234
Team, Inc. (A)(C)	3,879	62,723
Tetra Tech, Inc.	21,439	1,892,849
The Brink's Company	19,611	1,823,823
Toppan Printing Company, Ltd.	50,400	1,003,579
UniFirst Corp.	1,913	394,556
US Ecology, Inc.	3,103	170,634
Viad Corp.	2,543	159,955
VSE Corp.	1,137	46,378
Waste Management, Inc.	56,880	6,422,321
		46,687,210
<b>Construction and engineering – 0.6%</b>		
ACS Actividades de Construccion y Servicios SA	43,251	1,681,295
AECOM (A)	41,834	1,812,667

ACCO Brands Corp.	12,284	112,399	Aegion Corp. (A)	3,979	86,185
Advanced Disposal Services, Inc. (A)	9,186	302,679	Ameresco, Inc., Class A (A)	2,918	47,709
Brady Corp., Class A	6,037	344,109	Arcosa, Inc.	6,134	240,514
Brambles, Ltd.	82,148	698,323	Argan, Inc.	1,881	68,920
BrightView Holdings, Inc. (A)	4,049	64,946	Bouygues SA	45,343	1,852,248
Casella Waste Systems, Inc., Class A (A)	5,683	265,453	China Communications Construction Company, Ltd., H Shares	624,865	486,261
CECO Environmental Corp. (A)	4,103	32,291	China Communications Services Corp., Ltd., H Shares	335,200	225,649
China Everbright International, Ltd.	515,500	389,908	China Railway Construction Corp., Ltd., H Shares	275,100	283,978
Cimpress NV (A)(C)	2,762	353,923	China Railway Group, Ltd., H Shares	535,200	313,301
Cintas Corp.	12,098	3,109,912	China State Construction International Holdings, Ltd.	287,900	227,196
Clean Harbors, Inc. (A)	13,631	1,126,602	CIMIC Group, Ltd.	5,233	119,340
Copart, Inc. (A)	29,383	2,615,087	Comfort Systems USA, Inc.	4,649	237,564
Country Garden Services Holdings Company, Ltd.	169,400	548,109	Construction Partners, Inc., Class A (A)	1,657	32,809
Covanta Holding Corp.	15,114	222,327	Daelim Industrial Company, Ltd.	6,447	490,535
Dai Nippon Printing Company, Ltd.	43,600	1,167,106	Daewoo Engineering & Construction Company, Ltd. (A)	44,289	167,340
Deluxe Corp.	16,896	863,048	Dycom Industries, Inc. (A)	12,251	637,665
Edenred	48,532	2,409,242	Eiffage SA	15,854	1,730,511
Ennis, Inc.	3,409	70,362	EMCOR Group, Inc.	21,972	1,953,970
G4S PLC	158,170	427,553	Ferrovial SA	80,707	2,394,611
Greentown Service Group Company, Ltd.	157,000	172,021	Fluor Corp.	37,113	647,251
Healthcare Services Group, Inc.	29,210	734,632	Gamuda BHD	62,500	56,251
Heritage-Crystal Clean, Inc. (A)	1,969	60,901	Granite Construction, Inc.	18,453	475,349
Herman Miller, Inc.	23,171	1,107,110	Great Lakes Dredge & Dock Corp. (A)	7,856	83,902
HNI Corp.	16,858	662,351	GS Engineering & Construction Corp.	13,917	354,251
Interface, Inc.	7,477	125,539	HDC Hyundai Development Co-Engineering & Construction, Series E	6,168	144,429
ISS A/S	24,168	554,712	HOCHTIEF AG	4,165	511,520
KAR Auction Services, Inc.	35,402	747,690	Hyundai Engineering & Construction Company, Ltd.	17,877	622,042
Kimball International, Inc., Class B	4,678	100,016			
Knoll, Inc.	6,289	173,325			
Matthews International Corp., Class A	3,981	152,671			
McGrath RentCorp	3,085	226,254			
Mobile Mini, Inc.	5,733	217,625			
MSA Safety, Inc.	13,927	1,725,973			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Construction and engineering (continued)</b>		
IES Holdings, Inc. (A)	1,085	\$ 23,534
IJM Corp. BHD	96,700	48,410
Jacobs Engineering Group, Inc.	24,648	2,269,834

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Electrical equipment (continued)</b>		
Vicor Corp. (A)	2,293	\$ 94,174
Vivint Solar, Inc. (A)(C)	5,548	40,778
WEG SA	45,198	317,177

JGC Holdings Corp.	39,700	577,697	Xinjiang Goldwind Science & Technology Company, Ltd., H Shares	109,000	121,267
Kajima Corp.	81,400	1,074,357			
MasTec, Inc. (A)	23,603	1,565,823	Zhuzhou CRRC Times Electric Company, Ltd., H Shares	76,700	262,017
Metallurgical Corp. of China, Ltd., H Shares	410,800	85,552			66,954,917
MYR Group, Inc. (A)	2,119	72,809			
Northwest Pipe Company (A)	1,232	42,295	<b>Industrial conglomerates – 1.2%</b>		
NV5 Global, Inc. (A)	1,318	63,383	3M Company	83,831	14,231,989
Obayashi Corp.	117,400	1,245,084	Aboitiz Equity Ventures, Inc.	244,570	235,563
Primoris Services Corp.	5,711	125,756	Alfa SAB de CV, Class A	411,500	321,673
Quanta Services, Inc.	25,864	1,076,977	Alliance Global Group, Inc.	503,400	109,533
Samsung Engineering Company, Ltd. (A)	35,980	574,034	Ayala Corp.	34,835	552,634
Shimizu Corp.	106,600	1,021,687	Carlisle Companies, Inc.	15,014	2,341,884
Sinopec Engineering Group Company, Ltd., H Shares	198,100	116,052	CITIC, Ltd.	819,333	1,025,682
Skanska AB, B Shares	59,924	1,324,087	CJ Corp.	3,426	267,722
SNC-Lavalin Group, Inc.	27,918	511,364	CK Hutchison Holdings, Ltd.	102,472	930,615
Sterling Construction Company, Inc. (A)	3,396	49,480	DCC PLC	10,017	855,332
Taisei Corp.	36,500	1,433,020	DMCI Holdings, Inc.	500,800	64,077
Tutor Perini Corp. (A)	5,152	82,071	Far Eastern New Century Corp.	439,133	428,198
Valmont Industries, Inc.	5,738	821,337	Fosun International, Ltd.	365,500	492,079
Vinci SA	103,690	11,303,439	General Electric Company	1,271,736	14,332,465
WillScot Corp. (A)	6,641	117,944	Grupo Carso SAB de CV, Series A1	62,500	211,968
WSP Global, Inc.	17,248	1,121,776	GT Capital Holdings, Inc.	11,858	208,695
		44,733,065	HAP Seng Consolidated BHD	19,400	45,991
<b>Electrical equipment – 0.9%</b>			Honeywell International, Inc.	104,849	18,720,789
ABB, Ltd.	292,426	6,388,838	Jardine Matheson Holdings, Ltd.	8,432	473,997
Acuity Brands, Inc.	10,582	1,383,914	Jardine Strategic Holdings, Ltd.	8,400	266,715
Allied Motion Technologies, Inc.	930	41,664	JG Summit Holdings, Inc.	356,050	538,829
American Superconductor Corp. (A)	2,942	24,566	Keihan Holdings Company, Ltd.	17,000	831,557
AMETEK, Inc.	32,844	3,251,884	Keppel Corp., Ltd.	220,531	1,083,469
Atkore International Group, Inc. (A)	5,954	248,401	KOC Holding AS	51,627	179,564
AZZ, Inc.	3,321	126,430	LG Corp.	21,837	1,314,438
Bloom Energy Corp., Class A (A)(C)	7,319	47,720	Lotte Corp.	6,314	190,923
Eaton Corp. PLC	60,411	5,588,018	NWS Holdings, Ltd.	59,230	79,472
Emerson Electric Company	88,474	6,534,690	Raven Industries, Inc.	4,622	158,858
Encore Wire Corp.	2,610	152,267	Roper Technologies, Inc.	15,155	5,461,407
EnerSys	16,707	1,172,330	Samsung C&T Corp.	19,554	1,639,801
Fuji Electric Company, Ltd.	22,900	705,393	Sembcorp Industries, Ltd.	152,000	243,537
Generac Holdings, Inc. (A)	7,774	765,739	Shanghai Industrial Holdings, Ltd.	67,270	121,167
Hubbell, Inc.	14,431	2,121,646	Siemens AG	129,081	16,633,968
Legrand SA	54,137	4,274,406	Sime Darby BHD	101,300	54,573
Melrose Industries PLC	500,036	1,483,031	SK Holdings Company, Ltd.	8,051	1,759,162
Mitsubishi Electric Corp.	328,718	4,544,250	SM Investments Corp.	29,755	621,118
Nidec Corp.	40,200	5,950,064	Smiths Group PLC	40,259	863,870
nVent Electric PLC	41,266	1,019,683	The Bidvest Group, Ltd.	44,598	617,160
Plug Power, Inc. (A)(C)	30,396	118,544	Toshiba Corp.	92,600	3,326,181
Powell Industries, Inc.	1,172	48,743	Turkiye Sise ve Cam Fabrikalari AS	47,891	41,503
Preformed Line Products Company	432	31,061			91,878,158
Prysmian SpA	51,739	1,178,143	<b>Machinery – 1.7%</b>		
Regal Beloit Corp.	11,122	909,001	Actuant Corp., Class A	7,122	174,916
Rockwell Automation, Inc.	16,830	3,295,987	AGCO Corp.	16,783	1,311,256
Schneider Electric SE	110,363	10,646,364	Airtac International Group	17,000	245,510
			Alamo Group, Inc.	1,235	141,778
			Albany International Corp., Class A	3,899	326,268

Schneider Electric SE (Euronext London Exchange)	1,474	142,350	Alfa Laval AB	55,425	1,363,581
Shanghai Electric Group Company, Ltd., H Shares	363,436	111,879	Alstom SA	38,476	1,677,894
Siemens Gamesa Renewable Energy SA	39,481	629,580	Altra Industrial Motion Corp.	8,241	270,882
Sunrun, Inc. (A)	14,426	200,233	Amada Holdings Company, Ltd.	59,900	668,307
Thermon Group Holdings, Inc. (A)	4,196	110,103	ANDRITZ AG	11,868	462,633
TPI Composites, Inc. (A)(C)	3,766	67,976	Astec Industries, Inc.	2,928	109,683
Vestas Wind Systems A/S	29,469	2,804,606	Atlas Copco AB, A Shares	118,170	4,330,027
			Atlas Copco AB, B Shares	68,976	2,229,970
			Barnes Group, Inc.	6,007	355,554

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Machinery (continued)</b>		
Blue Bird Corp. (A)	1,939	\$ 39,459
Briggs & Stratton Corp.	5,548	29,682
Caterpillar, Inc.	42,578	6,162,314
Chart Industries, Inc. (A)	4,594	253,589
China Conch Venture Holdings, Ltd.	228,900	890,441
CIRCOR International, Inc. (A)	2,480	110,013
CNH Industrial NV	218,574	2,335,884
Colfax Corp. (A)	22,158	746,725
Columbus McKinnon Corp.	2,968	121,925
Commercial Vehicle Group, Inc. (A)	4,128	29,474
Crane Company	13,515	1,122,691
CRRC Corp., Ltd., H Shares	611,700	402,373
Cummins, Inc.	11,942	2,183,714
Daewoo Shipbuilding & Marine Engineering Company, Ltd. (A)	8,601	192,539
Daifuku Company, Ltd.	18,300	1,065,885
Deere & Company	23,830	4,004,632
Donaldson Company, Inc.	33,824	1,896,850
Doosan Bobcat, Inc.	11,498	304,918
Douglas Dynamics, Inc.	2,884	156,053
Dover Corp.	11,007	1,227,060
Energy Recovery, Inc. (A)	4,707	40,998
EnPro Industries, Inc.	2,617	173,743
Epiroc AB, A Shares	114,867	1,341,026
Epiroc AB, B Shares	69,987	786,740
ESCO Technologies, Inc.	3,237	285,083
Evoqua Water Technologies Corp. (A)	9,631	182,411
FANUC Corp.	34,800	6,644,802
Federal Signal Corp.	7,600	250,344
Flowsolve Corp.	9,927	483,445

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Machinery (continued)</b>		
Kurita Water Industries, Ltd.	17,689	\$ 494,997
LB Foster Company, Class A (A)	1,318	24,963
Lincoln Electric Holdings, Inc.	16,386	1,511,772
Lindsay Corp. (C)	1,370	123,601
Luxfer Holdings PLC	3,400	59,398
Lydall, Inc. (A)	2,230	41,523
Makita Corp.	40,300	1,334,290
Meritor, Inc. (A)	10,096	254,924
Metso OYJ	4,259	163,301
Miller Industries, Inc.	1,407	51,567
MINEBEA MITSUMI, Inc.	65,500	1,270,942
MISUMI Group, Inc.	51,100	1,267,245
Mitsubishi Heavy Industries, Ltd.	57,540	2,203,255
Mueller Industries, Inc.	7,099	222,838
Mueller Water Products, Inc., Class A	19,969	225,250
Nabtesco Corp.	20,400	627,124
Navistar International Corp. (A)	6,346	207,197
NGK Insulators, Ltd.	47,200	778,344
NN, Inc.	5,666	49,351
Nordson Corp.	13,571	2,250,479
NSK, Ltd.	64,900	627,898
Omega Flex, Inc.	355	34,013
Oshkosh Corp.	18,140	1,640,944
PACCAR, Inc.	26,214	2,133,033
Parker-Hannifin Corp.	9,721	1,932,438
Park-Ohio Holdings Corp.	1,160	36,691
Pentair PLC	12,718	564,043
Proto Labs, Inc. (A)	3,439	333,205
RBC Bearings, Inc. (A)	3,078	510,579
REV Group, Inc.	3,509	45,617

Fortive Corp.	22,346	1,612,711	Rexnord Corp. (A)	13,366	422,232
Franklin Electric Company, Inc.	5,894	326,940	Samsung Heavy Industries Company, Ltd. (A)	100,675	594,500
GEA Group AG	25,872	830,623	Sandvik AB	199,119	3,621,064
Graco, Inc.	44,242	2,137,331	Schindler Holding AG	3,173	758,623
Graham Corp.	1,326	28,164	Schindler Holding AG, Participation Certificates	6,456	1,608,848
Haitian International Holdings, Ltd.	90,200	201,587	Sinotruk Hong Kong, Ltd.	98,100	165,651
Harsco Corp. (A)	10,191	226,750	SKF AB, B Shares	67,285	1,285,085
Helios Technologies, Inc.	3,785	169,492	SMC Corp.	10,296	4,671,807
Hillenbrand, Inc.	9,336	295,189	Snap-on, Inc.	4,178	670,402
Hino Motors, Ltd.	52,000	509,097	Spartan Motors, Inc.	4,333	76,911
Hitachi Construction Machinery Company, Ltd.	19,600	517,270	Spirax-Sarco Engineering PLC	7,508	865,427
Hiwin Technologies Corp.	32,169	274,540	SPX Corp. (A)	5,551	265,227
Hoshizaki Corp.	9,700	848,763	SPX FLOW, Inc. (A)	5,349	253,543
Hurco Companies, Inc.	895	32,023	Standex International Corp.	1,595	123,102
Hyster-Yale Materials Handling, Inc.	1,320	78,184	Stanley Black & Decker, Inc.	11,484	1,811,486
Hyundai Heavy Industries Holdings Company, Ltd.	2,248	660,060	Sumitomo Heavy Industries, Ltd.	20,100	575,237
IDEX Corp.	5,740	934,128	Techtronic Industries Company, Ltd.	52,500	394,583
IHI Corp.	26,600	621,120	Tennant Company	2,286	170,216
Illinois Tool Works, Inc.	22,278	3,883,724	Terex Corp.	25,471	714,971
Ingersoll-Rand PLC	18,283	2,397,084	The Eastern Company	728	20,005
ITT, Inc.	23,340	1,628,665	The Gorman-Rupp Company	2,261	83,680
John Bean Technologies Corp.	3,973	435,242	The Greenbrier Companies, Inc.	4,117	115,852
JTEKT Corp.	37,500	466,497	The Manitowoc Company, Inc. (A)	4,614	73,824
Kadant, Inc.	1,384	134,802	The Timken Company	18,152	954,614
Kawasaki Heavy Industries, Ltd.	25,600	575,454	The Toro Company	28,274	2,210,461
Kennametal, Inc.	32,333	1,126,158	The Weir Group PLC	26,841	483,651
KION Group AG	10,975	726,218	THK Company, Ltd.	21,900	615,922
Knorr-Bremse AG	8,113	788,520	Titan International, Inc.	7,197	21,087
Komatsu, Ltd.	166,400	3,911,593	TriMas Corp. (A)	5,794	179,498
Kone OYJ, B Shares	13,454	842,278	Trinity Industries, Inc.	27,133	570,878
Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	8,887	905,112	Twin Disc, Inc. (A)	1,619	16,481
Kubota Corp.	188,500	2,910,409	Volvo AB, B Shares	262,313	4,055,349
			Wabash National Corp.	6,853	107,935

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Machinery (continued)</b>		
Wabtec Corp.	13,783	\$ 1,082,930
Wartsila OYJ ABP	17,770	178,874
Watts Water Technologies, Inc., Class A	3,481	337,518

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Professional services (continued)</b>		
Teleperformance	11,879	\$ 2,814,267
Thomson Reuters Corp.	32,350	2,281,767
TriNet Group, Inc. (A)	5,703	312,239
TrueBlue, Inc. (A)	5,049	117,692

Weichai Power Company, Ltd., H Shares	272,980	466,498	Upwork, Inc. (A)	7,373	85,895
Welbilt, Inc. (A)	16,542	276,086	Verisk Analytics, Inc.	23,829	3,514,301
Woodward, Inc.	14,927	1,743,324	Willdan Group, Inc. (A)	1,337	38,118
Xylem, Inc.	13,625	1,056,074	Wolters Kluwer NV	41,645	2,991,044
Yangzijiang Shipbuilding Holdings, Ltd.	373,500	281,233			53,835,414
		133,170,311	<b>Road and rail – 1.0%</b>		
<b>Marine – 0.1%</b>			ArcBest Corp.	3,331	95,866
A.P. Moller - Maersk A/S, Series A	595	772,545	Aurizon Holdings, Ltd.	101,798	398,320
A.P. Moller - Maersk A/S, Series B	1,017	1,421,396	Avis Budget Group, Inc. (A)	23,070	686,333
COSCO SHIPPING Holdings Company, Ltd., H Shares (A)	360,300	132,995	BTS Group Holdings PCL, Foreign Quota Shares	637,200	288,956
Costamare, Inc.	6,231	51,281	BTS Group Holdings PCL, NVDR	24,100	10,929
Eagle Bulk Shipping, Inc. (A)	6,079	28,997	Canadian National Railway Company	113,113	10,302,199
Evergreen Marine Corp. Taiwan, Ltd. (A)	313,748	127,504	Canadian Pacific Railway, Ltd.	22,031	5,247,601
Genco Shipping & Trading, Ltd.	2,094	21,987	Central Japan Railway Company	25,888	5,231,515
Kirby Corp. (A)	15,888	1,340,471	CJ Logistics Corp. (A)	2,088	278,758
Kuehne + Nagel International AG	8,508	1,382,828	ComfortDelGro Corp., Ltd.	326,800	561,910
Matson, Inc.	5,452	205,758	Covenant Transportation Group, Inc., Class A (A)	1,836	24,657
MISC BHD	41,300	80,622	CSX Corp.	61,909	4,428,970
Mitsui OSK Lines, Ltd.	20,800	545,804	Daseke, Inc. (A)	6,697	19,756
Nippon Yusen KK	27,300	468,888	East Japan Railway Company	54,800	5,043,177
Pan Ocean Company, Ltd. (A)	61,962	220,726	Genesee & Wyoming, Inc., Class A (A)	15,015	1,673,422
Scorpio Bulkers, Inc.	7,247	44,352	Hankyu Hanshin Holdings, Inc.	40,900	1,758,163
		6,846,154	Heartland Express, Inc.	5,908	126,490
<b>Professional services – 0.7%</b>			Hertz Global Holdings, Inc. (A)	12,958	200,849
51job, Inc., ADR (A)	3,500	275,170	J.B. Hunt Transport Services, Inc.	6,625	765,983
Acacia Research Corp. (A)	7,621	22,634	Kansas City Southern	7,802	1,189,181
Adecco Group AG	25,060	1,551,222	Keikyu Corp.	39,100	805,039
ASGN, Inc. (A)	20,545	1,376,720	Keio Corp.	18,320	1,175,986
Barrett Business Services, Inc.	914	80,761	Keisei Electric Railway Company, Ltd.	22,935	946,237
BG Staffing, Inc.	1,286	27,778	Kintetsu Group Holdings Company, Ltd.	30,400	1,720,510
Bureau Veritas SA	58,003	1,518,626	Knight-Swift Transportation Holdings, Inc. (C)	32,562	1,204,468
CBIZ, Inc. (A)	6,517	175,047	Kyushu Railway Company	28,500	971,070
CRA International, Inc.	1,015	52,039	Landstar System, Inc.	10,511	1,171,031
Equifax, Inc.	17,617	2,460,038	Localiza Rent a Car SA	30,996	324,844
Experian PLC	92,941	3,082,959	Marten Transport, Ltd.	5,115	108,080
Exponent, Inc.	6,576	417,905	MTR Corp., Ltd.	57,868	324,718
Forrester Research, Inc.	1,408	56,221	Nagoya Railroad Company, Ltd.	32,900	1,049,056
Franklin Covey Company (A)	1,253	46,248	Nippon Express Company, Ltd.	14,080	893,608
FTI Consulting, Inc. (A)	14,671	1,598,992	Norfolk Southern Corp.	20,431	3,953,399
GP Strategies Corp. (A)	1,739	22,085	Odakyu Electric Railway Company, Ltd.	52,300	1,286,755
Heidrick & Struggles International, Inc.	2,454	76,123	Old Dominion Freight Line, Inc.	16,976	3,252,432
Huron Consulting Group, Inc. (A)	2,845	190,757	Rumo SA (A)	58,400	334,644
ICF International, Inc.	2,315	207,725	Ryder System, Inc.	14,146	742,524
IHS Markit, Ltd. (A)	58,455	4,246,756	Saia, Inc. (A)	3,305	313,645
InnerWorkings, Inc. (A)	6,234	29,362	Seibu Holdings, Inc.	35,300	622,677
Insperty, Inc.	15,184	1,180,860	Tobu Railway Company, Ltd.	33,900	1,241,656
Intertek Group PLC	16,404	1,168,815	Tokyu Corp.	89,293	1,763,077
Kelly Services, Inc., Class A	4,226	92,592	Union Pacific Corp.	54,645	9,616,974
Kforce, Inc.	2,754	108,838	Universal Logistics Holdings, Inc.	1,150	22,931
Korn Ferry	7,192	282,502			

ManpowerGroup, Inc.	15,871	1,470,289	Werner Enterprises, Inc.	17,479	642,528
Mistras Group, Inc. (A)	2,608	34,530	West Japan Railway Company	29,200	2,572,844
Nielsen Holdings PLC	51,835	1,013,374	YRC Worldwide, Inc. (A)	4,897	17,091
Persol Holdings Company, Ltd.	32,100	590,954			75,410,859
Randstad NV	17,929	1,043,811	<b>Trading companies and distributors – 0.6%</b>		
Recruit Holdings Company, Ltd.	243,900	8,840,973	AerCap Holdings NV (A)	18,900	1,168,209
RELX PLC	199,380	4,826,741	Aircastle, Ltd.	6,641	212,446
Resources Connection, Inc.	3,959	61,167	Applied Industrial Technologies, Inc.	4,893	312,418
Robert Half International, Inc.	17,133	997,141	Ashtead Group PLC	48,072	1,459,414
SEEK, Ltd.	17,082	268,339			
SGS SA	839	2,183,997			

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## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Trading companies and distributors (continued)</b>		
Beacon Roofing Supply, Inc. (A)	8,692	\$ 257,718
BMC Stock Holdings, Inc. (A)	8,499	251,655
BOC Aviation, Ltd. (B)	28,900	272,970
Brenntag AG	25,988	1,384,972
Bunzl PLC	34,094	935,649
CAI International, Inc. (A)	2,126	51,237
DXP Enterprises, Inc. (A)	2,123	81,799
EVI Industries, Inc. (C)	628	19,198
Fastenal Company	76,702	2,724,455
Ferguson PLC	23,755	2,068,298
Foundation Building Materials, Inc. (A)	1,903	38,897
GATX Corp.	13,989	1,130,731
General Finance Corp. (A)	1,770	19,134
GMS, Inc. (A)	4,058	125,636
H&E Equipment Services, Inc.	4,095	135,135
Herc Holdings, Inc. (A)	3,085	144,255
ITOCHU Corp.	242,537	5,295,623
Kaman Corp.	3,522	223,999
Lawson Products, Inc. (A)	558	28,770
Marubeni Corp.	283,200	2,094,329
Mitsubishi Corp.	243,600	6,385,092
Mitsui & Company, Ltd.	298,400	5,292,793
MonotaRO Company, Ltd.	22,600	636,541
MRC Global, Inc. (A)	10,206	136,148
MSC Industrial Direct Company, Inc., Class A	11,937	876,295
NOW, Inc. (A)	42,695	478,611
Posco International Corp.	11,570	178,993

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Transportation infrastructure (continued)</b>		
Grupo Aeroportuario del Pacifico SAB de CV, B Shares	48,500	\$ 490,340
Grupo Aeroportuario del Sureste SAB de CV, B Shares	28,250	483,725
International Container Terminal Services, Inc.	123,850	301,262
Japan Airport Terminal Company, Ltd.	9,100	473,490
Jasa Marga Persero Tbk PT	61,954	21,678
Jiangsu Expressway Company, Ltd., H Shares	164,055	218,773
Kamigumi Company, Ltd.	19,000	421,455
Malaysia Airports Holdings BHD	33,422	66,387
Promotora y Operadora de Infraestructura SAB de CV	30,750	293,462
SATS, Ltd.	100,400	365,536
Shenzhen International Holdings, Ltd.	132,500	279,943
Sydney Airport	56,247	349,685
Taiwan High Speed Rail Corp.	262,632	309,502
TAV Havalimanlari Holding AS	11,836	55,318
Transurban Group	137,647	1,431,037
Westports Holdings BHD	26,500	26,451
Zhejiang Expressway Company, Ltd., H Shares	198,982	174,057
		16,262,820
		818,272,029
<b>Information technology – 18.0%</b>		
<b>Communications equipment – 0.7%</b>		
Acacia Communications, Inc. (A)	4,822	321,338
ADTRAN, Inc.	6,214	57,107

Rush Enterprises, Inc., Class A	3,443	157,758	Applied Optoelectronics, Inc. (A)(C)	2,588	27,692
Rush Enterprises, Inc., Class B	666	30,383	Arista Networks, Inc. (A)	9,229	1,800,855
SiteOne Landscape Supply, Inc. (A)	5,204	461,907	BYD Electronic International Company, Ltd. (C)	95,800	171,314
Sumitomo Corp.	214,455	3,234,560	CalAmp Corp. (A)	4,457	46,754
Systemax, Inc.	1,567	36,292	Calix, Inc. (A)	6,170	47,818
Textainer Group Holdings, Ltd. (A)	3,746	34,201	Casa Systems, Inc. (A)	4,626	17,024
Titan Machinery, Inc. (A)	2,425	32,665	Ciena Corp. (A)	41,141	1,561,712
Toyota Tsusho Corp.	38,493	1,346,461	Cisco Systems, Inc.	719,973	32,621,977
Transcat, Inc. (A)	906	29,708	Clearfield, Inc. (A)	1,566	21,251
Triton International, Ltd.	7,049	267,016	Comtech Telecommunications Corp.	3,007	113,635
United Rentals, Inc. (A)	10,321	1,579,629	Digi International, Inc. (A)	3,670	65,473
Veritiv Corp. (A)	1,715	31,453	Extreme Networks, Inc. (A)	15,046	105,773
W.W. Grainger, Inc.	5,913	1,874,125	F5 Networks, Inc. (A)	10,198	1,485,951
Watsco, Inc.	8,650	1,539,441	Harmonic, Inc. (A)	11,176	92,314
Willis Lease Finance Corp. (A)	393	23,580	Infinera Corp. (A)	22,522	143,690
		45,100,599	Inseego Corp. (A)(C)	5,939	37,713
<b>Transportation infrastructure – 0.2%</b>			InterDigital, Inc.	12,259	696,311
Aena SME SA (B)	11,091	2,035,126	Juniper Networks, Inc.	58,648	1,469,719
Aeroports de Paris	5,974	1,168,362	KVH Industries, Inc. (A)	2,370	27,137
Airports of Thailand PCL, Foreign Quota Shares	431,500	1,077,808	Lumentum Holdings, Inc. (A)	30,143	2,220,333
Atlantia SpA	106,250	2,352,774	Motorola Solutions, Inc.	28,077	4,697,282
Auckland International Airport, Ltd.	93,654	543,125	NETGEAR, Inc. (A)	3,977	99,862
Bangkok Expressway & Metro PCL, Foreign Quota Shares	742,900	265,452	NetScout Systems, Inc. (A)	27,047	681,584
Bangkok Expressway & Metro PCL, NVDR	18,100	6,467	Nokia OYJ (A)	226,064	799,912
Beijing Capital International Airport Company, Ltd., H Shares	236,211	223,324	Plantronics, Inc.	12,875	326,253
CCR SA	65,315	265,660	Ribbon Communications, Inc. (A)	8,414	24,653
China Merchants Port Holdings Company, Ltd.	186,031	289,391	Telefonaktiebolaget LM Ericsson, B Shares	540,007	4,866,427
COSCO SHIPPING Ports, Ltd.	237,108	192,887	ViaSat, Inc. (A)	15,282	1,123,227
Fraport AG Frankfurt Airport Services Worldwide	6,920	588,402	Viavi Solutions, Inc. (A)	29,312	440,266
Getlink SE	88,455	1,491,941	ZTE Corp., H Shares (A)	106,515	283,570
					56,495,927
			<b>Electronic equipment, instruments and components – 1.5%</b>		
			AAC Technologies Holdings, Inc.	102,600	723,792

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Electronic equipment, instruments and components (continued)</b>		
Akoustis Technologies, Inc. (A)(C)	3,374	\$ 25,744
Alps Alpine Company, Ltd.	37,500	845,540

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Electronic equipment, instruments and components (continued)</b>		
Omron Corp.	34,667	\$ 2,037,809
OSI Systems, Inc. (A)	2,114	210,322

Amphenol Corp., Class A	50,445	5,246,280	PAR Technology Corp. (A)	1,444	43,450
Anixter International, Inc. (A)	3,885	333,488	PC Connection, Inc.	1,423	70,182
Arlo Technologies, Inc. (A)	10,454	36,171	Plexus Corp. (A)	3,690	280,071
Arrow Electronics, Inc. (A)	22,051	1,756,142	Rogers Corp. (A)	2,361	306,977
AU Optronics Corp.	1,159,851	334,566	Samsung Electro-Mechanics Company, Ltd.	12,794	1,204,483
Avnet, Inc.	27,483	1,117,184	Samsung SDI Company, Ltd.	12,537	2,458,721
AVX Corp.	6,041	122,934	Sanmina Corp. (A)	8,640	274,838
Badger Meter, Inc.	3,644	225,928	ScanSource, Inc. (A)	3,355	118,834
Bel Fuse, Inc., Class B	1,421	23,546	Shimadzu Corp.	39,900	1,202,544
Belden, Inc.	15,229	818,406	Sunny Optical Technology Group Company, Ltd.	100,750	1,649,356
Benchmark Electronics, Inc.	4,747	163,629	SYNNEX Corp.	10,837	1,330,892
CDW Corp.	24,543	3,314,532	Synnex Technology International Corp.	177,544	214,410
China Railway Signal & Communication Corp., Ltd., H Shares (B)	199,500	107,025	TDK Corp.	23,300	2,450,414
Cognex Corp.	45,264	2,271,348	TE Connectivity, Ltd.	56,972	5,281,874
Coherent, Inc. (A)	6,361	959,620	Tech Data Corp. (A)	14,072	2,038,892
Corning, Inc.	132,429	3,845,738	Trimble, Inc. (A)	66,782	2,706,674
CTS Corp.	4,189	114,695	TTM Technologies, Inc. (A)	12,726	170,656
Daktronics, Inc.	4,815	29,660	Venture Corp., Ltd.	41,700	483,572
Delta Electronics, Inc.	265,898	1,219,843	Vishay Intertechnology, Inc.	51,990	1,034,081
ePlus, Inc. (A)	1,702	142,236	Vishay Precision Group, Inc. (A)	1,378	47,417
Fabrinet (A)	4,636	280,432	Walsin Technology Corp.	44,000	245,086
FARO Technologies, Inc. (A)	2,195	106,940	WPG Holdings, Ltd.	200,360	249,122
Fitbit, Inc., Class A (A)(C)	28,834	200,685	Yageo Corp.	35,726	386,403
FLIR Systems, Inc.	22,997	1,231,719	Yaskawa Electric Corp.	43,200	1,589,200
Foxconn Technology Company, Ltd.	125,180	273,252	Yokogawa Electric Corp.	40,900	749,668
Halma PLC	38,620	1,050,711	Zebra Technologies Corp., Class A (A)	14,353	3,601,742
Hamamatsu Photonics KK	25,000	1,014,281	Zhen Ding Technology Holding, Ltd.	73,817	325,140
Hexagon AB, B Shares	45,839	2,591,513			114,239,108
Hirose Electric Company, Ltd.	5,830	718,449	<b>IT services – 3.9%</b>		
Hitachi High-Technologies Corp.	12,400	809,958	Accenture PLC, Class A	109,218	21,970,293
Hitachi, Ltd.	174,000	6,852,820	Adyen NV (A)(B)	1,547	1,186,331
Hon Hai Precision Industry Company, Ltd.	1,702,172	4,935,681	Akamai Technologies, Inc. (A)	28,281	2,463,841
II-VI, Inc. (A)	34,367	1,003,173	Alliance Data Systems Corp.	7,023	750,829
Ingenico Group SA	12,180	1,299,980	Amadeus IT Group SA	72,178	5,742,837
Innolux Corp.	1,159,300	300,034	Atos SE	19,949	1,694,530
Insight Enterprises, Inc. (A)	4,519	296,401	Automatic Data Processing, Inc.	74,386	12,703,641
IPG Photonics Corp. (A)	6,045	858,934	Brightcove, Inc. (A)	4,933	44,101
Iteris, Inc. (A)	5,330	27,556	Broadridge Financial Solutions, Inc.	19,590	2,423,479
Itron, Inc. (A)	4,368	349,789	CACI International, Inc., Class A (A)	6,599	1,579,273
Jabil, Inc.	36,910	1,433,584	Capgemini SE	32,240	3,813,789
KEMET Corp.	7,267	194,174	Carbonite, Inc. (A)(C)	4,276	98,348
Keyence Corp.	32,806	11,232,734	Cardtronics PLC, Class A (A)	4,775	201,601
Keysight Technologies, Inc. (A)	31,812	3,404,838	Cass Information Systems, Inc.	1,798	101,533
Kimball Electronics, Inc. (A)	3,248	56,970	CGI, Inc. (A)	39,084	3,249,301
Kingboard Holdings, Ltd.	92,600	254,914	Cielo SA	65,424	119,916
Kingboard Laminates Holdings, Ltd.	154,500	174,253	Cognizant Technology Solutions Corp., Class A	94,673	6,069,486
Knowles Corp. (A)	10,351	226,687	Computershare, Ltd.	24,662	295,822
Kyocera Corp.	57,700	3,931,269	Conduent, Inc. (A)	22,384	151,540
Largan Precision Company, Ltd.	13,590	1,974,896	CoreLogic, Inc. (A)	21,254	880,553
LG Display Company, Ltd. (A)	53,144	663,621	CSG Systems International, Inc.	4,196	239,969
LG Innotek Company, Ltd.	3,261	337,807	DXC Technology Company	44,905	1,676,304
Littelfuse, Inc.	6,521	1,182,975			

Methode Electronics, Inc.	4,656	173,250	Endurance International Group Holdings, Inc. (A)	9,711	39,330
MTS Systems Corp.	2,283	103,694	EVERTEC, Inc.	7,729	250,574
Murata Manufacturing Company, Ltd.	103,197	5,986,383	Evo Payments, Inc., Class A (A)	4,517	126,792
Napco Security Technologies, Inc. (A)	1,497	46,781	ExlService Holdings, Inc. (A)	4,279	298,717
National Instruments Corp.	31,482	1,326,022	Fidelity National Information Services, Inc.	105,349	14,553,964
Nippon Electric Glass Company, Ltd.	14,400	305,570	Fiserv, Inc. (A)	97,848	11,373,852
nLight, Inc. (A)	4,303	85,759			
Novanta, Inc. (A)	4,290	399,742			

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>IT services (continued)</b>		
FleetCor Technologies, Inc. (A)	14,839	\$ 4,554,386
Fujitsu, Ltd.	35,300	3,212,069
Gartner, Inc. (A)	15,451	2,479,267
GDS Holdings, Ltd., ADR (A)(C)	8,300	388,606
Global Payments, Inc.	51,432	9,314,335
GMO Payment Gateway, Inc.	7,300	517,952
GTT Communications, Inc. (A)(C)	4,571	40,545
I3 Verticals, Inc., Class A (A)	1,874	51,198
IBM Corp.	151,856	20,417,039
International Money Express, Inc. (A)	1,695	23,035
Itochu Techno-Solutions Corp.	16,900	451,691
Jack Henry & Associates, Inc.	13,199	2,005,456
KBR, Inc.	55,594	1,655,033
Leidos Holdings, Inc.	23,172	2,104,944
Limelight Networks, Inc. (A)	14,887	63,567
LiveRamp Holdings, Inc. (A)	26,495	1,327,135
ManTech International Corp., Class A	3,410	264,548
Mastercard, Inc., Class A	153,037	44,722,003
MAXIMUS, Inc.	24,994	1,865,802
NIC, Inc.	8,388	190,324
Nomura Research Institute, Ltd.	60,900	1,285,512
NTT Data Corp.	112,800	1,538,780
Obic Company, Ltd.	11,600	1,541,013
Otsuka Corp.	18,700	749,780
Paychex, Inc.	54,823	4,721,357
PayPal Holdings, Inc. (A)	201,704	21,786,049
Paysign, Inc. (A)(C)	3,842	39,419
Perficient, Inc. (A)	4,115	173,982
Perspecta, Inc.	54,607	1,506,061
Presidio, Inc.	5,899	97,392
Sabre Corp.	72,587	1,628,126

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Semiconductors and semiconductor equipment (continued)</b>		
AXT, Inc. (A)	5,704	\$ 18,025
Broadcom, Inc.	71,875	22,727,594
Brooks Automation, Inc.	9,054	405,348
Cabot Microelectronics Corp.	3,684	491,482
CEVA, Inc. (A)	2,814	72,939
Cirrus Logic, Inc. (A)	22,833	1,637,126
Cohu, Inc.	5,160	91,538
Cree, Inc. (A)	28,373	1,254,370
Cypress Semiconductor Corp.	97,953	2,296,998
Diodes, Inc. (A)	5,227	241,174
Disco Corp.	4,800	1,037,649
DSP Group, Inc. (A)	2,809	39,804
Enphase Energy, Inc. (A)(C)	11,698	255,835
First Solar, Inc. (A)	20,127	1,111,815
FormFactor, Inc. (A)	9,471	219,159
Globalwafers Company, Ltd.	30,000	325,054
GSI Technology, Inc. (A)	2,103	15,394
Hua Hong Semiconductor, Ltd. (B)	63,100	111,875
Ichor Holdings, Ltd. (A)	2,829	89,255
Impinj, Inc. (A)(C)	1,908	60,216
Infineon Technologies AG	210,864	4,493,853
Inphi Corp. (A)	5,713	397,796
Intel Corp.	799,870	46,432,454
KLA Corp.	28,755	4,711,794
Lam Research Corp.	26,097	6,963,463
Lattice Semiconductor Corp. (A)	15,868	299,747
MACOM Technology Solutions Holdings, Inc. (A)(C)	5,863	144,640
Maxim Integrated Products, Inc.	48,980	2,775,697
MaxLinear, Inc. (A)	8,338	165,676

Samsung SDS Company, Ltd.	7,944	1,317,966	MediaTek, Inc.	205,752	2,842,592
Science Applications International Corp.	20,560	1,754,796	Microchip Technology, Inc.	42,981	4,063,424
Shopify, Inc., Class A (A)	15,501	5,224,688	Micron Technology, Inc. (A)	199,300	9,468,743
StarTek, Inc. (A)	2,404	19,088	MKS Instruments, Inc.	14,451	1,535,852
Sykes Enterprises, Inc. (A)	4,886	171,694	Monolithic Power Systems, Inc.	10,667	1,713,974
The Hackett Group, Inc.	3,268	50,098	Nanya Technology Corp.	167,196	390,391
The Western Union Company	72,663	1,953,181	NeoPhotonics Corp. (A)	4,906	40,229
TravelSky Technology, Ltd., H Shares	128,900	313,822	Novatek Microelectronics Corp.	78,900	578,025
TTEC Holdings, Inc.	1,819	83,547	NVE Corp.	646	41,079
Tucows, Inc., Class A (A)(C)	1,217	69,065	NVIDIA Corp.	109,959	23,832,514
Unisys Corp. (A)	6,586	74,949	NXP Semiconductors NV	42,500	4,912,150
VeriSign, Inc. (A)	17,856	3,405,853	Onto Innovation, Inc. (A)	6,150	206,394
Verra Mobility Corp. (A)	14,721	220,373	PDF Solutions, Inc. (A)	3,703	58,656
Virtusa Corp. (A)	3,743	167,275	Phison Electronics Corp.	19,884	185,286
Visa, Inc., Class A	296,035	54,621,418	Photronics, Inc. (A)	8,306	97,679
WEX, Inc. (A)	11,478	2,308,570	Power Integrations, Inc.	3,599	329,273
Wirecard AG (C)	19,797	2,605,818	Powertech Technology, Inc.	99,199	305,868
Wix.com, Ltd. (A)	6,500	785,785	Qorvo, Inc. (A)	21,267	2,216,234
Worldline SA (A)(B)	20,347	1,316,971	QUALCOMM, Inc.	206,169	17,225,420
		<b>301,281,909</b>	Rambus, Inc. (A)	14,045	183,287
<b>Semiconductors and semiconductor equipment – 4.1%</b>			Realtek Semiconductor Corp.	65,584	495,311
Adesto Technologies Corp. (A)(C)	3,607	25,970	Renesas Electronics Corp. (A)	136,900	893,020
Advanced Energy Industries, Inc. (A)	4,856	311,804	Rohm Company, Ltd.	16,800	1,414,242
Advanced Micro Devices, Inc. (A)	196,004	7,673,557	Semiconductor Manufacturing International Corp. (A)	424,899	541,493
Advantest Corp.	35,900	1,758,429	Semtech Corp. (A)	26,047	1,262,238
Alpha & Omega Semiconductor, Ltd. (A)	2,570	30,557	Silicon Laboratories, Inc. (A)	16,961	1,796,679
Ambarella, Inc. (A)	4,023	220,219	SK Hynix, Inc.	124,207	8,547,394
Amkor Technology, Inc. (A)	12,576	152,044	Skyworks Solutions, Inc.	31,002	3,047,497
Analog Devices, Inc.	66,699	7,533,652	SMART Global Holdings, Inc. (A)	1,678	51,682
Applied Materials, Inc.	166,791	9,657,199	SolarEdge Technologies, Inc. (A)	12,723	1,038,324
ASE Technology Holding Company, Ltd.	469,422	1,162,191	STMicroelectronics NV	138,831	3,393,774
ASM Pacific Technology, Ltd.	11,300	147,507	SUMCO Corp.	44,900	695,373
ASML Holding NV	63,362	17,176,457	SunPower Corp. (A)(C)	7,946	59,516
Axcelis Technologies, Inc. (A)	4,172	89,448	Synaptics, Inc. (A)	13,013	743,823

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Semiconductors and semiconductor equipment (continued)</b>		
Taiwan Semiconductor Manufacturing Company, Ltd.	3,352,915	\$ 33,725,823

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Software (continued)</b>		
Intuit, Inc.	35,035	\$ 9,070,211
j2 Global, Inc.	18,241	1,769,742

Teradyne, Inc.	45,075	2,821,244	Kingdee International Software Group Company, Ltd.	325,800	322,914
Texas Instruments, Inc.	168,572	20,264,040	Kingsoft Corp., Ltd. (A)	116,000	256,617
Tokyo Electron, Ltd.	28,215	5,836,451	LivePerson, Inc. (A)	7,836	311,011
Ultra Clean Holdings, Inc. (A)	4,997	111,133	LogMeIn, Inc.	13,112	1,022,474
United Microelectronics Corp.	1,554,774	762,239	Manhattan Associates, Inc. (A)	17,061	1,424,764
Universal Display Corp.	11,245	2,184,004	Micro Focus International PLC	35,201	515,857
Vanguard International Semiconductor Corp.	120,302	282,106	Microsoft Corp.	1,028,578	155,706,138
Veeco Instruments, Inc. (A)	6,168	84,440	MicroStrategy, Inc., Class A (A)	1,046	157,245
Win Semiconductors Corp.	46,000	455,688	Mitek Systems, Inc. (A)	4,789	34,146
Winbond Electronics Corp.	406,000	232,163	MobileIron, Inc. (A)	12,617	60,940
Xilinx, Inc.	45,610	4,231,696	Model N, Inc. (A)	4,103	124,813
Xinyi Solar Holdings, Ltd.	451,000	277,185	Nice, Ltd. (A)	8,625	1,306,315
Xperi Corp.	6,223	123,153	NortonLifeLock, Inc.	76,597	1,907,265
		310,425,605	OneSpan, Inc. (A)	4,189	78,125
<b>Software – 4.2%</b>			Open Text Corp.	42,938	1,870,355
8x8, Inc. (A)	11,936	244,927	Oracle Corp.	296,586	16,650,338
A10 Networks, Inc. (A)	7,240	48,291	Oracle Corp. Japan	6,800	626,186
ACI Worldwide, Inc. (A)	45,623	1,710,863	Progress Software Corp.	5,666	238,029
Adobe, Inc. (A)	65,394	20,241,405	PROS Holdings, Inc. (A)	4,196	261,369
Agilysys, Inc. (A)	2,660	67,378	PTC, Inc. (A)	27,494	2,106,040
Alarm.com Holdings, Inc. (A)	4,685	204,360	Q2 Holdings, Inc. (A)	5,499	464,281
Altair Engineering, Inc., Class A (A)	5,030	166,845	QAD, Inc., Class A	1,425	72,832
American Software, Inc., Class A	3,732	59,003	Qualys, Inc. (A)	4,330	378,918
ANSYS, Inc. (A)	11,329	2,885,383	Rapid7, Inc. (A)	6,225	349,036
Appfolio, Inc., Class A (A)	2,002	226,066	SailPoint Technologies Holding, Inc. (A)	10,965	274,454
Appian Corp. (A)(C)	3,981	171,501	salesforce.com, Inc. (A)	118,142	19,244,150
Autodesk, Inc. (A)	29,581	5,351,203	SAP SE	165,736	22,516,333
Avaya Holdings Corp. (A)	14,176	181,028	ServiceNow, Inc. (A)	25,253	7,147,609
Benefitfocus, Inc. (A)(C)	3,838	92,035	Sharpspring, Inc. (A)	1,472	18,518
Blackbaud, Inc.	19,268	1,596,932	ShotSpotter, Inc. (A)	1,048	25,697
BlackBerry, Ltd. (A)	83,223	463,638	SPS Commerce, Inc. (A)	4,460	251,232
Blackline, Inc. (A)	5,463	294,019	SVMK, Inc. (A)	10,984	187,497
Bottomline Technologies DE, Inc. (A)	5,502	272,294	Synchronoss Technologies, Inc. (A)	5,340	24,244
Box, Inc., Class A (A)	18,287	333,555	Synopsys, Inc. (A)	20,245	2,855,355
Cadence Design Systems, Inc. (A)	37,740	2,651,235	Telaria, Inc. (A)	5,479	45,695
CDK Global, Inc.	32,146	1,721,418	Telenav, Inc. (A)	4,524	25,877
Ceridian HCM Holding, Inc. (A)	23,636	1,426,669	Temenos AG (A)	10,299	1,562,566
ChannelAdvisor Corp. (A)	3,459	32,826	Tenable Holdings, Inc. (A)	4,792	130,103
Check Point Software Technologies, Ltd. (A)	16,800	1,980,384	Teradata Corp. (A)	30,263	803,785
Cision, Ltd. (A)	11,843	117,719	The Sage Group PLC	109,763	1,068,762
Citrix Systems, Inc.	16,576	1,869,939	TiVo Corp.	15,858	123,851
Cloudera, Inc. (A)(C)	30,203	298,406	Trend Micro, Inc.	22,600	1,221,201
CommVault Systems, Inc. (A)	16,190	819,538	Tyler Technologies, Inc. (A)	10,233	2,969,310
Constellation Software, Inc.	3,180	3,397,163	Upland Software, Inc. (A)	2,900	112,259
Cornerstone OnDemand, Inc. (A)	7,252	447,231	Varonis Systems, Inc. (A)	3,785	295,646
CyberArk Software, Ltd. (A)	5,200	637,260	Verint Systems, Inc. (A)	8,342	405,505
Dassault Systemes SE	26,641	4,196,826	VirnetX Holding Corp. (A)(C)	8,211	28,985
Digimarc Corp. (A)(C)	1,488	48,181	Workiva, Inc. (A)	4,693	203,535
Digital Turbine, Inc. (A)	9,995	88,756	Yext, Inc. (A)	11,912	205,601
Domo, Inc., Class B (A)	2,237	42,056	Zix Corp. (A)	6,872	51,815
Ebix, Inc. (C)	2,963	103,053	Zuora, Inc., Class A (A)	11,171	178,066
eGain Corp. (A)	2,669	20,364			320,209,799

Investnet, Inc. (A)	6,086	433,384	<b>Technology hardware, storage and peripherals – 3.6%</b>	
Everbridge, Inc. (A)	4,236	372,514	3D Systems Corp. (A)	14,865 126,204
Fair Isaac Corp. (A)	7,664	2,818,436	Acer, Inc.	394,008 231,750
Five9, Inc. (A)	7,615	519,115	Advantech Company, Ltd.	47,764 468,855
ForeScout Technologies, Inc. (A)	5,329	190,938	Apple, Inc.	720,438 192,537,056
Fortinet, Inc. (A)	19,119	2,009,598	Asustek Computer, Inc.	96,354 727,621
GTY Technology Holdings, Inc. (A)(C)	5,177	25,523	Avid Technology, Inc. (A)	3,796 29,875
Instructure, Inc. (A)	4,339	231,008	Brother Industries, Ltd.	40,200 798,042
Intelligent Systems Corp. (A)	825	35,921	Canon, Inc.	179,596 4,975,091
			Catcher Technology Company, Ltd.	89,475 731,599

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Technology hardware, storage and peripherals (continued)</b>		
Chicony Electronics Company, Ltd.	79,224	\$ 229,821
Compal Electronics, Inc.	562,148	346,375
Diebold Nixdorf, Inc. (A)(C)	9,805	71,282
FUJIFILM Holdings Corp.	64,715	3,060,070
Hewlett Packard Enterprise Company	221,422	3,505,110
HP, Inc.	251,323	5,046,566
Immersion Corp. (A)	4,313	29,113
Inventec Corp.	336,495	252,017
Konica Minolta, Inc.	81,300	533,200
Legend Holdings Corp., H Shares (B)	53,400	109,779
Lenovo Group, Ltd.	1,015,764	670,740
Lite-On Technology Corp.	288,018	456,881
Meitu, Inc. (A)(B)	301,300	55,421
Micro-Star International Company, Ltd.	92,300	253,726
NCR Corp. (A)	33,786	1,109,194
NEC Corp.	44,400	1,776,512
NetApp, Inc.	40,348	2,444,685
Pegatron Corp.	267,500	596,151
Quanta Computer, Inc.	367,000	725,325
Ricoh Company, Ltd.	120,200	1,238,798
Samsung Electronics Company, Ltd.	1,085,558	46,406,352
Seagate Technology PLC	40,152	2,396,271
Seiko Epson Corp.	50,169	764,401
Stratasys, Ltd. (A)(C)	6,588	121,483
Western Digital Corp.	50,200	2,526,566
Wistron Corp.	386,580	350,937
Xerox Holdings Corp.	32,275	1,256,466

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Chemicals (continued)</b>		
Flotek Industries, Inc. (A)	8,112	\$ 14,358
FMC Corp.	18,477	1,810,007
Formosa Chemicals & Fibre Corp.	479,471	1,371,790
Formosa Plastics Corp.	609,040	1,940,354
FutureFuel Corp.	3,394	38,081
GCP Applied Technologies, Inc. (A)	6,944	155,337
Givaudan SA	1,457	4,284,980
Hawkins, Inc.	1,272	52,559
HB Fuller Company	6,473	322,873
Hitachi Chemical Company, Ltd.	18,800	676,826
Incitec Pivot, Ltd.	84,115	183,926
Indorama Ventures PCL, Foreign Quota Shares	99,000	113,815
Ingevity Corp. (A)	16,460	1,486,503
Innophos Holdings, Inc.	2,501	79,782
Innospec, Inc.	3,090	304,056
International Flavors & Fragrances, Inc. (C)	15,125	2,136,104
Intrepid Potash, Inc. (A)	13,168	30,023
Israel Chemicals, Ltd.	102,787	481,665
Johnson Matthey PLC	19,847	737,179
JSR Corp.	34,700	614,764
Kaneka Corp.	8,700	281,953
Kansai Paint Company, Ltd.	31,900	804,725
Koninklijke DSM NV	27,122	3,475,370
Koppers Holdings, Inc. (A)	2,423	89,772
Kraton Corp. (A)	4,036	90,931
Kronos Worldwide, Inc.	2,895	39,864
Kumho Petrochemical Company, Ltd.	4,245	263,342

Xiaomi Corp., Class B (A)(B)	1,099,700	1,257,427	Kuraray Company, Ltd.	57,800	699,399
		278,216,762	LANXESS AG	14,736	981,892
		1,380,869,110	LG Chem, Ltd.	10,461	2,721,102
<b>Materials – 4.3%</b>			Linde PLC	76,578	15,791,149
<b>Chemicals – 2.4%</b>			Livent Corp. (A)	18,848	147,014
A. Schulman, Inc. (A)(D)	3,214	1,392	Lotte Chemical Corp.	3,933	734,448
Advanced Emissions Solutions, Inc.	2,204	22,415	LyondellBasell Industries NV, Class A	36,567	3,383,910
AdvanSix, Inc. (A)	3,578	72,383	Methanex Corp.	10,825	404,134
Air Liquide SA	95,960	13,010,384	Minerals Technologies, Inc.	13,810	745,740
Air Products & Chemicals, Inc.	31,215	7,377,041	Mitsubishi Chemical Holdings Corp.	231,450	1,717,641
Air Water, Inc.	26,900	432,433	Mitsubishi Gas Chemical Company, Inc.	29,300	458,598
Akzo Nobel NV	33,983	3,254,329	Mitsui Chemicals, Inc.	33,400	800,938
Albemarle Corp.	15,014	981,615	Nan Ya Plastics Corp.	700,610	1,641,579
American Vanguard Corp.	3,850	61,985	NewMarket Corp.	1,958	967,193
Amyris, Inc. (A)(C)	5,149	20,699	Nippon Paint Holdings Company, Ltd.	26,400	1,409,175
Arkema SA	14,035	1,454,477	Nissan Chemical Corp.	22,600	895,819
Asahi Kasei Corp.	227,400	2,556,644	Nitto Denko Corp.	28,644	1,608,050
Ashland Global Holdings, Inc.	16,052	1,150,928	Novozymes A/S, B Shares	33,201	1,586,257
Balchem Corp.	4,116	410,077	Nutrien, Ltd.	91,956	4,360,693
Barito Pacific Tbk PT	886,100	85,426	OCI Company, Ltd.	4,401	231,068
BASF SE	154,995	11,634,332	Olin Corp.	43,577	763,469
Cabot Corp.	15,326	720,169	OMNOVA Solutions, Inc. (A)	5,537	56,034
Celanese Corp.	17,529	2,201,117	Orbia Advance Corp. SAB de CV	144,180	313,001
CF Industries Holdings, Inc.	30,927	1,429,137	Orica, Ltd.	19,542	314,717
Chase Corp.	931	109,532	Orion Engineered Carbons SA	7,720	140,350
Chr. Hansen Holding A/S	16,402	1,245,608	Petronas Chemicals Group BHD	87,145	147,342
Clariant AG (A)	31,088	642,613	PolyOne Corp.	30,176	951,449
Corteva, Inc.	106,085	2,760,332	PPG Industries, Inc.	33,472	4,312,532
Covestro AG (B)	29,422	1,376,507	PQ Group Holdings, Inc. (A)	4,861	77,095
Croda International PLC	12,995	836,609	PTT Global Chemical PCL, Foreign Quota Shares	214,011	380,541
Daicel Corp.	44,900	441,725	Quaker Chemical Corp.	1,671	249,363
Dow, Inc.	105,281	5,618,847	Rayonier Advanced Materials, Inc.	6,760	26,499
DuPont de Nemours, Inc.	105,602	6,844,066	RPM International, Inc.	34,393	2,535,796
Eastman Chemical Company	19,406	1,520,848	Sasol, Ltd.	87,765	1,582,241
Ecolab, Inc.	35,463	6,619,878	Sensient Technologies Corp.	16,614	1,051,500
EMS-Chemie Holding AG	1,287	798,970			
Evonik Industries AG	31,551	914,991			
Ferro Corp. (A)	10,494	151,323			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Chemicals (continued)</b>		
Shin-Etsu Chemical Company, Ltd.	65,437	\$ 7,033,755

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Containers and packaging (continued)</b>		
CCL Industries, Inc., Class B	24,025	\$ 1,033,131

Showa Denko KK	24,600	657,519	Greif, Inc., Class A	10,232	441,511
Sika AG	20,243	3,522,406	Greif, Inc., Class B	817	44,257
Sinopec Shanghai Petrochemical Company, Ltd., H Shares	476,199	131,972	International Paper Company	55,647	2,578,682
Solvay SA	22,464	2,574,277	Klabin SA	35,942	150,349
Stepan Company	2,594	251,359	Myers Industries, Inc.	4,637	76,742
Sumitomo Chemical Company, Ltd.	270,400	1,220,967	Owens-Illinois, Inc.	41,232	407,372
Symrise AG	21,637	2,097,774	Packaging Corp. of America	13,410	1,500,579
Taiyo Nippon Sanso Corp.	23,500	523,721	Sealed Air Corp.	21,890	825,910
Teijin, Ltd.	32,000	602,291	Silgan Holdings, Inc.	20,641	635,949
The Chemours Company	43,360	684,654	Smurfit Kappa Group PLC	34,116	1,210,204
The Mosaic Company	50,287	957,967	Sonoco Products Company	26,543	1,606,648
The Scotts Miracle-Gro Company	10,451	1,056,387	Toyo Seikan Group Holdings, Ltd.	25,400	442,970
The Sherwin-Williams Company	11,631	6,782,385	UFP Technologies, Inc. (A)	907	42,039
Toray Industries, Inc.	249,600	1,652,220	Westrock Company	36,455	1,470,230
Tosoh Corp.	47,300	704,880			21,393,669
Trecora Resources (A)	3,209	24,709	<b>Metals and mining – 1.2%</b>		
Tredegar Corp.	3,387	72,922	1911 Gold Corp. (A)	2,060	398
Trinseo SA	5,146	195,497	Agnico Eagle Mines, Ltd.	36,754	2,191,184
Tronox Holdings PLC, Class A	11,651	134,919	AK Steel Holding Corp. (A)(C)	40,668	112,244
Umicore SA (C)	59,710	2,563,778	Allegheny Technologies, Inc. (A)	49,497	1,141,401
Valvoline, Inc.	49,914	1,130,552	Alumina, Ltd.	127,415	199,100
Yara International ASA	10,869	409,459	Aluminum Corp. of China, Ltd., H Shares (A)	558,880	171,295
		187,813,869	Angang Steel Company, Ltd., H Shares	210,900	80,010
<b>Construction materials – 0.3%</b>			Anglo American Platinum, Ltd.	8,349	690,946
Anhui Conch Cement Company, Ltd., H Shares	173,110	1,107,466	Anglo American PLC	107,909	2,823,530
Asia Cement Corp.	300,687	447,831	AngloGold Ashanti, Ltd.	64,004	1,208,697
BBMG Corp., H Shares	303,000	83,578	Antofagasta PLC	40,049	448,716
Boral, Ltd.	61,514	214,201	ArcelorMittal	135,933	2,321,273
Cementos Argos SA	43,117	77,847	Barrick Gold Corp.	277,131	4,658,839
Cemex SAB de CV	2,066,288	764,334	BHP Group PLC	215,977	4,784,791
China National Building Material Company, Ltd., H Shares	548,900	530,722	BHP Group, Ltd.	152,159	3,923,447
China Resources Cement Holdings, Ltd.	345,900	414,417	BlueScope Steel, Ltd.	27,551	271,111
CRH PLC	121,883	4,663,065	Boliden AB	48,156	1,242,074
Eagle Materials, Inc.	11,146	1,025,766	Carpenter Technology Corp.	18,655	980,693
Fletcher Building, Ltd.	82,038	275,728	Century Aluminum Company (A)	6,518	45,952
Forterra, Inc. (A)	2,440	27,108	China Hongqiao Group, Ltd.	242,300	127,186
Grupo Argos SA	27,810	138,691	China Molybdenum Company, Ltd., H Shares	538,500	184,309
HeidelbergCement AG	25,110	1,850,299	China Oriental Group Company, Ltd.	174,600	72,050
Imerys SA	7,299	289,560	China Steel Corp.	1,574,958	1,207,631
Indocement Tunggal Prakarsa Tbk PT	57,320	78,770	China Zhongwang Holdings, Ltd.	228,600	91,423
James Hardie Industries PLC, CHESS Depository Interest	22,755	446,175	Cia de Minas Buenaventura SAA, ADR (C)	29,200	448,804
LafargeHolcim, Ltd. (A)	77,070	3,972,084	Cia Siderurgica Nacional SA	34,866	104,589
Martin Marietta Materials, Inc.	8,845	2,373,998	Cleveland-Cliffs, Inc. (C)	34,297	274,033
POSCO Chemical Company, Ltd.	5,582	227,802	Coeur Mining, Inc. (A)	28,245	185,287
Semen Indonesia Persero Tbk PT	94,792	76,927	Commercial Metals Company	46,302	989,011
Summit Materials, Inc., Class A (A)	14,331	342,081	Compass Minerals International, Inc.	13,339	737,247
Taiheiyō Cement Corp.	21,800	630,891	Eregli Demir ve Celik Fabrikalari TAS	96,353	134,217
Taiwan Cement Corp.	671,367	910,847	Evraz PLC	53,007	253,844
The Siam Cement PCL, Foreign Quota Shares	76,563	965,518	First Quantum Minerals, Ltd.	108,891	1,008,326
			Fortescue Metals Group, Ltd.	73,052	481,072
			Franco-Nevada Corp.	29,288	2,877,646

The Siam Cement PCL, NVDR	3,000	37,832	Freeport-McMoRan, Inc.	205,527	2,338,897
U.S. Concrete, Inc. (A)	2,049	83,866	Fresnillo PLC	21,970	164,137
United States Lime & Minerals, Inc.	290	29,832	Glencore PLC (A)	1,124,123	3,548,371
Vulcan Materials Company	18,739	2,658,502	Gold Fields, Ltd.	127,734	681,553
		24,745,738	Gold Resource Corp.	7,864	35,073
<b>Containers and packaging – 0.3%</b>			Grupo Mexico SAB de CV, Series B	476,400	1,248,169
Arcor PLC (C)	230,120	2,361,031	Haynes International, Inc.	1,636	60,074
AptarGroup, Inc.	16,986	1,904,470	Hecla Mining Company	61,960	153,041
Avery Dennison Corp.	11,926	1,554,793	Hitachi Metals, Ltd.	38,400	537,969
Ball Corp.	47,030	3,106,802	Hyundai Steel Company	18,500	498,380

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Metals and mining (continued)</b>		
Industrias Penoles SAB de CV	18,515	\$ 197,159
Jastrzebska Spolka Weglowa SA	5,917	31,589
JFE Holdings, Inc.	88,800	1,132,587
Jiangxi Copper Company, Ltd., H Shares	156,825	180,856
Kaiser Aluminum Corp.	2,038	223,324
KGHM Polska Miedz SA (A)	13,620	312,665
Kinross Gold Corp. (A)	197,427	854,630
Kirkland Lake Gold, Ltd.	31,298	1,311,957
Kobe Steel, Ltd.	56,300	287,730
Korea Zinc Company, Ltd.	1,922	661,442
Kumba Iron Ore, Ltd.	10,162	260,763
Lundin Mining Corp.	107,407	581,387
Maanshan Iron & Steel Company, Ltd., H Shares (C)	228,500	86,678
Maruichi Steel Tube, Ltd.	9,700	279,365
Materion Corp.	2,582	151,977
Mitsubishi Materials Corp.	19,700	526,781
MMG, Ltd. (A)	348,700	76,145
Newcrest Mining, Ltd.	39,169	815,683
Newmont Goldcorp Corp.	116,143	4,459,891
Nippon Steel Corp.	145,478	2,135,565
Norsk Hydro ASA	80,602	284,971
Novagold Resources, Inc. (A)	29,411	204,701
Nucor Corp.	42,944	2,420,324
Olympic Steel, Inc.	1,308	21,922
POSCO	17,939	3,492,208
Press Metal Aluminium Holdings BHD	41,200	46,382
Reliance Steel & Aluminum Company	17,679	2,085,768

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Paper and forest products (continued)</b>		
Pabrik Kertas Tjiwi Kimia Tbk PT	45,600	\$ 29,704
PH Glatfelter Company	5,613	100,192
Sappi, Ltd.	83,084	225,863
Schweitzer-Mauduit International, Inc.	3,952	173,335
Stora Enso OYJ, R Shares	23,389	314,394
Suzano SA	29,267	263,588
UPM-Kymmene OYJ	21,387	714,466
Verso Corp., Class A (A)	4,507	83,199
West Fraser Timber Company, Ltd.	8,717	380,364
		7,260,584
		332,357,255
<b>Real estate – 3.7%</b>		
<b>Equity real estate investment trusts – 2.9%</b>		
Acadia Realty Trust	10,628	285,681
Agree Realty Corp.	5,106	381,827
Alexander & Baldwin, Inc.	26,892	583,019
Alexander's, Inc.	270	88,117
Alexandria Real Estate Equities, Inc.	18,691	3,037,661
American Assets Trust, Inc.	6,088	289,363
American Campus Communities, Inc.	36,443	1,750,722
American Finance Trust, Inc.	13,691	202,490
American Tower Corp.	72,951	15,613,703
Apartment Investment & Management Company, A Shares	24,535	1,319,247
Armada Hoffer Properties, Inc.	6,623	119,611
Ascendas Real Estate Investment Trust	371,500	809,217
Ashford Hospitality Trust, Inc.	12,577	34,587
AvalonBay Communities, Inc.	23,014	4,934,432

Rio Tinto PLC	116,158	6,323,506	Bluerock Residential Growth REIT, Inc.	3,119	38,239
Rio Tinto, Ltd.	19,189	1,258,070	Boston Properties, Inc.	23,689	3,281,874
Royal Gold, Inc.	17,388	2,039,091	Braemar Hotels & Resorts, Inc.	4,201	41,212
Ryerson Holding Corp. (A)	2,185	23,292	Brixmor Property Group, Inc.	78,998	1,733,216
Schnitzer Steel Industries, Inc., Class A	3,340	71,977	BRT Apartments Corp.	1,374	25,227
South32, Ltd.	261,180	475,983	Camden Property Trust	25,681	2,864,716
Southern Copper Corp.	12,400	471,572	CapitaLand Commercial Trust	391,200	574,652
Steel Dynamics, Inc.	58,248	1,964,705	CapitaLand Mall Trust	384,400	707,966
Sumitomo Metal Mining Company, Ltd.	41,700	1,264,900	CareTrust REIT, Inc.	12,180	254,318
SunCoke Energy, Inc.	9,826	50,309	CatchMark Timber Trust, Inc., Class A	6,571	77,998
Synalloy Corp. (A)	1,228	15,890	CBL & Associates Properties, Inc.	23,928	34,456
Teck Resources, Ltd., Class B	79,976	1,254,762	Cedar Realty Trust, Inc.	12,664	33,813
thyssenkrupp AG	68,201	853,047	Chatham Lodging Trust	6,042	110,569
TimkenSteel Corp. (A)	5,538	32,231	City Office REIT, Inc.	4,991	67,029
United States Steel Corp. (C)	45,286	594,152	Clipper Realty, Inc.	2,375	21,256
Vale SA (A)	170,971	2,015,129	Community Healthcare Trust, Inc.	2,327	110,765
voestalpine AG	19,075	504,756	CoreCivic, Inc.	46,884	710,293
Warrior Met Coal, Inc.	6,497	133,383	CorEnergy Infrastructure Trust, Inc.	1,652	73,084
Wheaton Precious Metals Corp.	69,815	1,929,991	CorePoint Lodging, Inc.	5,608	56,697
Worthington Industries, Inc.	14,796	566,687	CoreSite Realty Corp.	9,785	1,109,521
Zhaojin Mining Industry Company, Ltd., H Shares	135,100	139,976	Corporate Office Properties Trust	29,692	866,413
Zijin Mining Group Company, Ltd., H Shares	794,329	297,496	Cousins Properties, Inc.	38,926	1,576,114
		91,143,395	Covivio	9,012	996,957
<b>Paper and forest products – 0.1%</b>			Crown Castle International Corp.	68,514	9,157,581
Boise Cascade Company	4,970	188,462	CyrusOne, Inc.	30,022	1,870,371
Clearwater Paper Corp. (A)	2,077	45,466	Daiwa House REIT Investment Corp.	328	897,004
Domtar Corp.	16,599	619,475	Dexus	55,990	462,650
Empresas CMPC SA	73,737	159,978	DiamondRock Hospitality Company	25,693	264,638
Indah Kiat Pulp & Paper Corp. Tbk PT	89,700	43,191	Digital Realty Trust, Inc.	34,333	4,152,576
Lee & Man Paper Manufacturing, Ltd.	187,500	126,931	Douglas Emmett, Inc.	43,693	1,925,551
Louisiana-Pacific Corp.	48,515	1,438,955	Duke Realty Corp.	59,563	2,095,426
Mondi PLC	49,541	1,072,525	Easterly Government Properties, Inc.	10,013	232,902
Neenah, Inc.	2,149	156,404	EastGroup Properties, Inc.	14,633	1,992,868
Nine Dragons Paper Holdings, Ltd.	232,200	236,405	EPR Properties	20,570	1,458,824
Oji Holdings Corp.	155,300	887,687	Equinix, Inc.	13,978	7,923,429
			Equity Residential	57,447	4,888,740
			Essential Properties Realty Trust, Inc.	9,535	248,768

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Equity real estate investment trusts (continued)</b>		
Essex Property Trust, Inc.	10,832	\$ 3,381,534

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Equity real estate investment trusts (continued)</b>		
One Liberty Properties, Inc.	2,101	\$ 57,378

Extra Space Storage, Inc.	21,179	2,246,033	Park Hotels & Resorts, Inc.	63,586	1,503,809
Farmland Partners, Inc.	3,730	24,879	Pebblebrook Hotel Trust	51,259	1,342,986
Federal Realty Investment Trust	11,487	1,517,088	Pennsylvania Real Estate Investment Trust	9,575	55,152
Fibra Uno Administracion SA de CV	424,900	651,271	Physicians Realty Trust	23,540	451,733
First Industrial Realty Trust, Inc.	49,479	2,106,816	Piedmont Office Realty Trust, Inc., Class A	15,897	351,642
Fortress REIT, Ltd., Class A	172,931	233,489	PotlatchDeltic Corp.	26,294	1,141,948
Four Corners Property Trust, Inc.	8,632	244,458	Preferred Apartment Communities, Inc., Class A	5,872	80,857
Franklin Street Properties Corp.	13,379	116,531	Prologis, Inc.	104,006	9,521,749
Front Yard Residential Corp.	6,566	76,166	PS Business Parks, Inc.	7,799	1,377,225
Gecina SA	9,174	1,584,928	Public Storage	24,744	5,213,066
Getty Realty Corp.	4,193	140,717	QTS Realty Trust, Inc., Class A	6,937	368,147
Gladstone Commercial Corp.	4,101	93,421	Rayonier, Inc.	34,382	1,053,121
Gladstone Land Corp.	2,839	35,999	Realty Income Corp.	52,442	4,018,630
Global Medical REIT, Inc.	4,154	57,824	Redefine Properties, Ltd.	830,459	465,629
Global Net Lease, Inc.	10,829	220,803	Regency Centers Corp.	27,612	1,795,884
Goodman Group	84,202	843,246	Retail Opportunity Investments Corp.	14,465	263,842
Growthpoint Properties, Ltd.	452,225	704,112	Retail Value, Inc.	1,975	70,132
H&R Real Estate Investment Trust	26,620	433,880	Rexford Industrial Realty, Inc.	13,871	663,866
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	8,078	237,089	RioCan Real Estate Investment Trust	27,257	559,586
Healthcare Realty Trust, Inc.	50,436	1,673,971	RLJ Lodging Trust	22,036	376,595
Healthpeak Properties, Inc.	80,932	2,822,908	RPT Realty	9,894	146,233
Hersha Hospitality Trust	4,616	65,455	Ryman Hospitality Properties, Inc.	5,831	520,300
Highwoods Properties, Inc.	27,511	1,335,659	Sabra Health Care REIT, Inc.	74,359	1,656,719
Host Hotels & Resorts, Inc.	120,284	2,103,767	Safehold, Inc.	1,335	54,535
ICADE	5,855	586,253	Saul Centers, Inc.	1,546	82,154
Independence Realty Trust, Inc.	11,446	171,003	SBA Communications Corp.	18,639	4,407,564
Industrial Logistics Properties Trust	8,264	178,833	Scentre Group	271,912	723,819
Innovative Industrial Properties, Inc.	1,383	107,058	Segro PLC	110,367	1,274,752
Investors Real Estate Trust	1,489	115,129	Senior Housing Properties Trust	93,768	686,382
Iron Mountain, Inc.	47,313	1,519,694	Seritage Growth Properties, Class A	4,319	182,607
iStar, Inc.	7,583	98,503	Service Properties Trust	43,617	1,015,840
Japan Prime Realty Investment Corp.	134	609,805	Simon Property Group, Inc.	50,759	7,675,268
Japan Real Estate Investment Corp.	231	1,572,022	SL Green Realty Corp.	13,582	1,158,952
Japan Retail Fund Investment Corp.	455	1,035,855	SmartCentres Real Estate Investment Trust	14,388	348,029
JBG SMITH Properties	31,305	1,248,443	Spirit Realty Capital, Inc.	23,899	1,252,308
Jernigan Capital, Inc.	2,774	48,490	STAG Industrial, Inc.	16,223	502,751
Kilroy Realty Corp.	24,638	2,050,867	Stockland	123,072	420,261
Kimco Realty Corp.	69,560	1,503,887	Summit Hotel Properties, Inc.	13,272	160,857
Kite Realty Group Trust	10,628	205,652	Sunstone Hotel Investors, Inc.	28,569	399,966
Klepierre SA	40,360	1,448,520	Suntec Real Estate Investment Trust	285,000	383,380
Lamar Advertising Company, Class A	22,798	1,902,037	Tanger Factory Outlet Centers, Inc.	36,586	556,839
Land Securities Group PLC	71,452	885,127	Taubman Centers, Inc.	16,234	527,280
Lexington Realty Trust	29,139	322,860	Terreno Realty Corp.	8,161	471,053
Liberty Property Trust	41,846	2,578,551	The British Land Company PLC	91,291	679,316
Life Storage, Inc.	12,373	1,355,091	The GEO Group, Inc.	47,454	657,712
Link REIT	78,925	805,947	The GPT Group	98,064	407,391
LTC Properties, Inc.	4,964	232,365	The Macerich Company	18,158	488,995
Mack-Cali Realty Corp.	35,119	751,195	UDR, Inc.	48,259	2,318,845
Medical Properties Trust, Inc.	131,632	2,732,680	UMH Properties, Inc.	4,681	73,070
Mid-America Apartment Communities, Inc.	18,794	2,558,051	Unibail-Rodamco-Westfield	10,007	1,564,387
Mirvac Group	201,131	457,938			
Monmouth Real Estate Investment Corp.	11,857	181,768			

National Health Investors, Inc.	5,220	422,768	Unibail-Rodamco-Westfield, Stapled Shares	18,036	2,819,845
National Retail Properties, Inc.	45,523	2,537,452	United Urban Investment Corp.	507	986,285
National Storage Affiliates Trust	7,513	251,686	Uniti Group, Inc.	75,233	505,566
New Senior Investment Group, Inc.	10,991	86,279	Universal Health Realty Income Trust	1,626	193,819
NexPoint Residential Trust, Inc.	2,381	113,931	Urban Edge Properties	45,252	938,074
Nippon Building Fund, Inc.	237	1,778,158	Urstadt Biddle Properties, Inc., Class A	3,814	92,947
Nippon Prologis REIT, Inc.	348	933,489	Ventas, Inc.	61,400	3,580,234
Nomura Real Estate Master Fund, Inc.	723	1,319,265	Vicinity Centres	161,184	291,874
Office Properties Income Trust	6,185	206,332	Vornado Realty Trust	26,099	1,685,212
Omega Healthcare Investors, Inc.	57,436	2,414,035			

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Equity real estate investment trusts (continued)</b>		
Washington Prime Group, Inc.	24,391	\$ 101,467
Washington Real Estate Investment Trust	10,268	319,027
Weingarten Realty Investors	32,079	1,021,395
Welltower, Inc.	66,782	5,647,754
Weyerhaeuser Company	122,759	3,622,618
Whitestone REIT	5,089	71,450
Xenia Hotels & Resorts, Inc.	14,509	305,560
		226,380,122
<b>Real estate management and development – 0.8%</b>		
Aeon Mall Company, Ltd.	18,000	289,572
Agile Group Holdings, Ltd.	194,600	273,047
Altisource Portfolio Solutions SA (A)	858	15,461
Aroundtown SA	151,605	1,315,570
Ayala Land, Inc.	910,270	814,865
Azrieli Group, Ltd.	6,316	492,661
BR Malls Participacoes SA	40,619	151,013
Bumi Serpong Damai Tbk PT (A)	241,000	21,350
CapitaLand, Ltd.	391,800	1,054,463
CBRE Group, Inc., Class A (A)	55,425	3,160,334
Central Pattana PCL, Foreign Quota Shares	210,600	433,930
Central Pattana PCL, NVDR	19,100	39,354
China Aoyuan Group, Ltd.	173,000	247,435
China Evergrande Group (A)(C)	260,035	620,588
China Jinmao Holdings Group, Ltd.	738,400	491,103
China Overseas Land & Investment, Ltd.	541,297	1,816,698

#### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Real estate management and development (continued)</b>		
Mitsubishi Estate Company, Ltd.	212,100	\$ 3,890,035
Mitsui Fudosan Company, Ltd.	160,104	3,986,641
Multiplan Empreendimentos Imobiliarios SA	14,001	95,474
NEPI Rockcastle PLC	58,491	495,396
New World Development Company, Ltd.	234,257	305,669
Newmark Group, Inc., Class A	18,472	241,060
Nomura Real Estate Holdings, Inc.	22,300	539,443
Pakuwon Jati Tbk PT	531,700	21,301
Rafael Holdings, Inc., Class B (A)	1,406	23,790
RE/MAX Holdings, Inc., Class A	2,329	89,317
Realogy Holdings Corp. (C)	14,623	153,103
Redfin Corp. (A)(C)	11,396	219,715
Robinsons Land Corp.	250,200	129,063
Ruentex Development Company, Ltd. (A)	76,080	113,660
Seazen Group, Ltd. (A)	252,800	269,346
Shanghai Lujiazui Finance & Trade Zone Development Company, Ltd., B Shares	143,351	131,246
Shenzhen Investment, Ltd.	408,900	160,882
Shimao Property Holdings, Ltd.	164,200	594,928
Shui On Land, Ltd.	509,400	106,630
Sime Darby Property BHD	86,300	16,229
Sino Land Company, Ltd.	118,075	177,219
Sino-Ocean Group Holding, Ltd.	435,858	161,744
SM Prime Holdings, Inc.	1,248,000	957,484
SOHO China, Ltd.	291,000	100,431

China Resources Land, Ltd.	390,705	1,691,442	SP Setia BHD Group	61,700	19,202
China Vanke Company, Ltd., H Shares	210,900	789,353	Sumitomo Realty & Development Company, Ltd.	59,583	2,077,535
CIFI Holdings Group Company, Ltd.	390,700	284,641	Sun Hung Kai Properties, Ltd.	60,500	881,392
City Developments, Ltd.	69,100	522,798	Sunac China Holdings, Ltd.	345,700	1,686,784
CK Asset Holdings, Ltd.	98,698	656,285	Swire Pacific, Ltd., Class A	19,000	171,550
Consolidated-Tomoka Land Company	669	41,940	Swire Properties, Ltd.	44,400	138,250
Country Garden Holdings Company, Ltd.	1,073,167	1,496,385	Swiss Prime Site AG (A)	11,698	1,234,939
Cushman & Wakefield PLC (A)(C)	13,135	254,688	Tejon Ranch Company (A)	2,845	46,772
Daito Trust Construction Company, Ltd.	12,900	1,580,645	The RMR Group, Inc., Class A	1,935	90,887
Daiwa House Industry Company, Ltd.	101,800	3,116,639	The St. Joe Company (A)	4,489	85,291
Dalian Wanda Commercial Properties Company, Ltd., H Shares (A)(B)	37,400	252,257	The Wharf Holdings, Ltd.	47,125	114,103
Deutsche Wohnen SE	59,881	2,339,004	Tokyu Fudosan Holdings Corp.	109,400	751,397
eXp World Holdings, Inc. (A)(C)	2,146	23,499	UOL Group, Ltd.	71,400	405,143
First Capital Realty, Inc.	32,375	527,925	Vonovia SE	85,329	4,441,568
Forestar Group, Inc. (A)	1,395	28,458	Wharf Real Estate Investment Company, Ltd.	46,125	256,137
FRP Holdings, Inc. (A)	945	47,156	Wheelock & Company, Ltd.	32,000	198,960
Guangzhou R&F Properties Company, Ltd., H Shares	146,600	246,395	Yuexiu Property Company, Ltd.	977,500	208,657
Hang Lung Properties, Ltd.	75,000	153,559	Yuzhou Properties Company, Ltd.	246,600	113,553
Henderson Land Development Company, Ltd.	55,376	266,526			57,790,370
Highwealth Construction Corp.	94,687	144,402	<b>Utilities – 3.6%</b>		284,170,492
Hongkong Land Holdings, Ltd.	43,500	239,172	<b>Electric utilities – 2.0%</b>		
Hulic Company, Ltd.	53,500	601,776	ALLETE, Inc.	20,249	1,622,147
Hysan Development Company, Ltd.	22,557	85,018	Alliant Energy Corp.	40,656	2,154,768
Jones Lang LaSalle, Inc.	13,665	2,272,899	American Electric Power Company, Inc.	84,523	7,721,176
Kaisa Group Holdings, Ltd. (A)	349,800	137,687	AusNet Services	83,682	98,505
Kennedy-Wilson Holdings, Inc.	15,740	355,881	Centrais Eletricas Brasileiras SA	12,100	99,602
Kerry Properties, Ltd.	25,268	81,526	CEZ AS	20,973	464,034
KWG Group Holdings, Ltd. (A)	182,500	200,670	Chubu Electric Power Company, Inc.	115,600	1,611,901
Land & Houses PCL, Foreign Quota Shares	815,100	264,231	CK Infrastructure Holdings, Ltd.	24,000	162,443
Land & Houses PCL, NVDR	34,700	11,249	CLP Holdings, Ltd.	61,000	628,541
Lendlease Group	29,279	383,648	Duke Energy Corp.	124,715	10,996,122
Logan Property Holdings Company, Ltd.	196,500	288,140	Edison International	61,294	4,235,415
Longfor Group Holdings, Ltd. (B)	252,800	1,034,799	EDP - Energias de Portugal SA	387,064	1,566,046
Marcus & Millichap, Inc. (A)	2,962	108,883	El Paso Electric Company	5,175	350,969
Megaworld Corp.	1,392,700	121,424			

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

Shares or Principal Amount	Value
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### Strategic Equity Allocation Fund (continued)

Shares or Principal Amount	Value
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**COMMON STOCKS (continued)****Electric utilities (continued)**

Electricite de France SA (C)	122,721	\$ 1,260,538
Emera, Inc.	38,980	1,606,681
Endesa SA	51,942	1,412,030
Enel Americas SA	2,467,327	474,279
Enel Chile SA	1,880,620	138,540
Enel SpA	1,745,543	13,192,950
Energisa SA	8,800	95,323
Entergy Corp.	34,034	3,961,217
Equatorial Energia SA	44,890	219,695
Evergy, Inc.	40,305	2,550,097
Eversource Energy	55,391	4,577,512
Exelon Corp.	166,306	7,383,986
FirstEnergy Corp.	92,430	4,407,987
Fortis, Inc.	69,110	2,708,625
Fortum OYJ	17,508	412,620
Genie Energy, Ltd., B Shares	1,958	15,840
Hawaiian Electric Industries, Inc.	28,903	1,262,194
HK Electric Investments & HK Electric Investments, Ltd.	73,000	71,508
Hydro One, Ltd. (B)(C)	55,503	1,046,714
Iberdrola SA	989,819	9,737,575
IDACORP, Inc.	13,367	1,404,203
Interconexion Electrica SA ESP	44,919	238,320
Korea Electric Power Corp. (A)	58,598	1,383,994
Kyushu Electric Power Company, Inc.	67,100	590,937
Manila Electric Company	27,060	169,801
MGE Energy, Inc.	4,496	348,530
NextEra Energy, Inc.	83,659	19,561,147
OGE Energy Corp.	53,093	2,233,092
Orsted A/S (B)	29,428	2,712,178
Otter Tail Corp.	4,754	233,707
PGE Polska Grupa Energetyczna SA (A)	83,420	185,611
Pinnacle West Capital Corp.	19,223	1,679,898
PNM Resources, Inc.	31,216	1,512,415
Portland General Electric Company	11,323	628,540
Power Assets Holdings, Ltd.	50,000	347,610
PPL Corp.	123,628	4,207,061
Red Electrica Corp. SA	70,320	1,371,871
Spark Energy, Inc., Class A	1,718	18,950
SSE PLC	105,324	1,770,796
Tenaga Nasional BHD	107,936	340,117
Terna Rete Elettrica Nazionale SpA	297,834	1,911,483
The Chugoku Electric Power Company, Inc.	48,300	638,515
The Kansai Electric Power Company, Inc.	126,600	1,444,321
The Southern Company	178,912	11,090,755
Tohoku Electric Power Company, Inc.	76,300	756,666
Tokyo Electric Power Company Holdings, Inc. (A)	275,000	1,206,404
Verbund AG	11,175	580,966
Xcel Energy, Inc.	89,756	5,519,096

**COMMON STOCKS (continued)****Gas utilities (continued)**

Infraestructura Energetica Nova SAB de CV	72,535	\$ 295,773
Korea Gas Corp.	6,449	204,458
Kunlun Energy Company, Ltd.	454,490	384,909
National Fuel Gas Company	22,893	1,030,643
Naturgy Energy Group SA	49,158	1,277,074
New Jersey Resources Corp.	35,176	1,496,387
Northwest Natural Holding Company	3,876	266,553
ONE Gas, Inc.	20,595	1,830,278
Osaka Gas Company, Ltd.	66,700	1,250,496
Perusahaan Gas Negara Tbk PT	357,469	48,646
Petronas Gas BHD	21,399	79,412
RGC Resources, Inc.	1,068	31,378
Snam SpA	433,225	2,152,436
South Jersey Industries, Inc.	11,858	370,444
Southwest Gas Holdings, Inc.	21,282	1,612,324
Spire, Inc.	19,738	1,528,116
Toho Gas Company, Ltd.	13,145	496,592
Tokyo Gas Company, Ltd.	68,400	1,652,187
Towngas China Company, Ltd. (A)	134,900	95,336
UGI Corp.	55,422	2,413,628
		26,773,993

**Independent power and renewable electricity producers**

–		
<b>0.1%</b>		
Aboitiz Power Corp.	181,000	122,694
AES Corp.	113,632	2,148,781
Atlantic Power Corp. (A)	15,039	35,492
CGN Power Company, Ltd., H Shares (B)	1,479,700	370,595
China Common Rich Renewable Energy Investments, Ltd. (A)(D)	1,136,000	170,076
China Longyuan Power Group Corp., Ltd., H Shares	447,300	242,322
China Power International Development, Ltd.	600,900	124,410
China Resources Power Holdings Company, Ltd.	270,332	351,532
Clearway Energy, Inc., Class A	4,907	93,135
Clearway Energy, Inc., Class C	9,060	179,660
Colbun SA	518,908	73,922
Datang International Power Generation Company, Ltd., H Shares	401,200	74,332
Electric Power Development Company, Ltd.	26,200	628,458
Electricity Generating PCL, Foreign Quota Shares	42,100	480,704
Energy Absolute PCL	171,270	242,359
Engie Brasil Energia SA	10,883	121,613
Gulf Energy Development PCL, Foreign Quota Shares	99,200	548,152
Gulf Energy Development PCL, NVDR	5,900	32,607

<b>Gas utilities – 0.4%</b>		152,334,564			
AltaGas, Ltd.	44,214	654,739	Huadian Power International Corp., Ltd., H Shares	221,100	80,485
APA Group	60,371	449,747	Huaneng Power International, Inc., H Shares	517,864	256,671
Atmos Energy Corp.	20,232	2,164,015	Huaneng Renewables Corp., Ltd., H Shares	679,300	259,644
Beijing Enterprises Holdings, Ltd.	70,714	312,548	Meridian Energy, Ltd.	127,216	384,619
Chesapeake Utilities Corp.	2,024	184,467	NRG Energy, Inc.	43,304	1,720,468
China Gas Holdings, Ltd.	256,600	953,771	Ormat Technologies, Inc.	5,034	386,863
China Resources Gas Group, Ltd.	124,100	690,997	Pattern Energy Group, Inc., Class A	11,318	311,471
Enagas SA	37,053	922,433	Ratch Group PCL, Foreign Quota Shares	70,800	165,768
ENN Energy Holdings, Ltd.	110,800	1,204,216	Ratch Group PCL, NVDR	2,300	5,383
Hong Kong & China Gas Company, Ltd.	377,989	719,990	Sunnova Energy International, Inc. (A)	1,978	20,334
			TerraForm Power, Inc., Class A	9,320	144,553

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Independent power and renewable electricity producers (continued)</b>		
Uniper SE	33,869	\$ 1,092,883
		10,869,986
<b>Multi-utilities – 1.0%</b>		
AGL Energy, Ltd.	33,894	467,810
Ameren Corp.	42,074	3,127,360
Atco, Ltd., Class I	13,299	503,406
Avista Corp.	8,396	396,963
Black Hills Corp.	23,933	1,832,550
Canadian Utilities, Ltd., Class A (C)	22,294	657,088
CenterPoint Energy, Inc.	85,965	2,111,300
Centrica PLC	585,341	607,295
CMS Energy Corp.	48,576	2,977,709
Consolidated Edison, Inc.	56,853	4,939,957
Dominion Energy, Inc.	140,687	11,692,497
DTE Energy Company	31,376	3,920,117
E.ON SE	370,436	3,876,217
Engie SA	371,059	5,869,323
MDU Resources Group, Inc.	52,796	1,533,196
National Grid PLC	348,442	4,006,529
NiSource, Inc.	63,906	1,690,314
NorthWestern Corp.	19,777	1,415,440
Public Service Enterprise Group, Inc.	86,550	5,133,281
RWE AG	92,264	2,733,526
Sempra Energy	46,995	6,920,954

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>PREFERRED SECURITIES (continued)</b>		
<b>Automobiles – 0.1%</b>		
Bayerische Motoren Werke AG	9,698	\$ 597,414
Hyundai Motor Company	5,432	332,075
Hyundai Motor Company, 2nd Preferred	8,418	579,944
Porsche Automobil Holding SE	25,952	1,916,830
Volkswagen AG	31,310	6,040,707
		9,466,970
<b>Multiline retail – 0.0%</b>		
Lojas Americanas SA	38,526	201,561
		9,668,531
<b>Consumer staples – 0.1%</b>		
<b>Beverages – 0.0%</b>		
Embotelladora Andina SA, B Shares	20,461	51,296
<b>Food and staples retailing – 0.0%</b>		
Cia Brasileira de Distribuicao	8,400	157,972
<b>Household products – 0.1%</b>		
Henkel AG & Company KGaA	30,033	3,170,015
<b>Personal products – 0.0%</b>		
Amorepacific Corp.	2,060	153,271
LG Household & Health Care, Ltd.	484	304,999
		458,270
		3,837,553
<b>Energy – 0.0%</b>		

Suez	68,843	1,019,157	<b>Oil, gas and consumable fuels – 0.0%</b>		
Unitil Corp.	1,880	114,755	Petroleo Brasileiro SA	226,033	1,554,688
Veolia Environnement SA	108,820	2,786,337	<b>Financials – 0.1%</b>		
WEC Energy Group, Inc.	53,993	4,786,479	<b>Banks – 0.1%</b>		
YTL Corp. BHD	100,297	20,054	Banco Bradesco SA	216,886	1,711,031
		75,139,614	Bancolumbia SA	45,560	553,134
<b>Water utilities – 0.1%</b>			Grupo Aval Acciones y Valores SA	377,287	150,182
Aguas Andinas SA, Class A	156,383	63,040	Itau Unibanco Holding SA	260,567	2,131,336
American States Water Company	4,604	392,675	Itausa - Investimentos Itau SA	237,459	739,798
American Water Works Company, Inc.	30,922	3,742,490			5,285,481
Aqua America, Inc.	57,230	2,533,572	<b>Diversified financial services – 0.0%</b>		
AquaVenture Holdings, Ltd. (A)	1,903	42,361	Grupo de Inversiones Suramericana SA	12,369	96,432
Artesian Resources Corp., Class A	1,138	42,334			5,381,913
Beijing Enterprises Water Group, Ltd. (A)	773,700	379,647	<b>Health care – 0.0%</b>		
Cadiz, Inc. (A)(C)	2,071	23,734	<b>Health care equipment and supplies – 0.0%</b>		
California Water Service Group	6,118	314,465	Sartorius AG	6,003	1,263,857
Cia de Saneamento Basico do Estado de Sao Paulo	18,498	248,434	<b>Industrials – 0.0%</b>		
Consolidated Water Company, Ltd.	2,127	35,478	<b>Aerospace and defense – 0.0%</b>		
Guangdong Investment, Ltd.	409,980	847,783	Rolls-Royce Holdings PLC (A)	10,168,070	13,150
Middlesex Water Company	2,075	130,331	<b>Information technology – 0.1%</b>		
Pure Cycle Corp. (A)	2,682	33,310	<b>Technology hardware, storage and peripherals – 0.1%</b>		
Severn Trent PLC	23,853	691,941	Samsung Electronics Company, Ltd.	187,296	6,493,730
SJW Group	3,357	237,743	<b>Materials – 0.0%</b>		
The York Water Company	1,747	77,445	<b>Chemicals – 0.0%</b>		
United Utilities Group PLC	68,771	758,943	Braskem SA, A Shares	10,383	68,767
		10,595,726	FUCHS PETROLUB SE	11,688	504,535
		275,713,883	LG Chem, Ltd.	1,767	250,153
<b>TOTAL COMMON STOCKS (Cost \$6,603,104,507)</b>	<b>\$</b>	<b>7,379,308,403</b>	Sociedad Quimica y Minera de Chile SA, B Shares	7,433	174,850
					998,305
<b>PREFERRED SECURITIES – 0.4%</b>			<b>Metals and mining – 0.0%</b>		
<b>Communication services – 0.0%</b>			Gerdau SA	58,583	234,266
<b>Diversified telecommunication services – 0.0%</b>					1,232,571
GCI Liberty, Inc., 7.000% (C)	974	25,499	<b>Utilities – 0.0%</b>		
Telefonica Brasil SA	24,054	317,997			
		343,496			
<b>Consumer discretionary – 0.1%</b>					

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>PREFERRED SECURITIES (continued)</b>		
Electric utilities – 0.0%		

### Strategic Equity Allocation Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS (continued)</b>		
Short-term funds – 1.2%		

Centrais Eletricas Brasileiras SA, B Shares	12,579	\$	106,308
Cia Energetica de Minas Gerais	48,548		148,727
			255,035
<b>TOTAL PREFERRED SECURITIES (Cost \$29,609,511)</b>		<b>\$</b>	<b>30,044,524</b>
<b>EXCHANGE-TRADED FUNDS – 1.1%</b>			
iShares MSCI India ETF	1,021,736		35,209,023
iShares MSCI Russia ETF	91,488		3,804,071
KraneShares Bosera MSCI China A ETF (C)	380,783		11,644,344
VanEck Vectors Russia ETF (C)	1,005,137		24,384,624
Xtrackers Harvest CSI 300 China A-Shares ETF (C)	290,715		8,017,920
<b>TOTAL EXCHANGE-TRADED FUNDS (Cost \$77,425,724)</b>		<b>\$</b>	<b>83,059,982</b>
<b>RIGHTS – 0.0%</b>			
Centrais Eletricas Brasileiras SA (Expiration Date: 12-17-19; Strike Price: BRL 37.50) (A)	2,575		36
Centrais Eletricas Brasileiras SA (Expiration Date: 12-18-19; Strike Price: BRL 35.72) (A)	2,477		59
DISH Network Corp. (Expiration Date: 12-9-19; Strike Price: \$33.52) (A)	2,053		1,396
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(D)(E)	37,553		9,681
<b>TOTAL RIGHTS (Cost \$11,142)</b>		<b>\$</b>	<b>11,172</b>
<b>WARRANTS – 0.0%</b>			
Minor International PCL (Expiration Date: 10-1-21; Strike Price: THB 48.00) (A)	1,847		213
<b>TOTAL WARRANTS (Cost \$0)</b>		<b>\$</b>	<b>213</b>
<b>SHORT-TERM INVESTMENTS – 3.1%</b>			
<b>U.S. Government Agency – 1.4%</b>			
Federal Home Loan Bank Discount Note			
1.550%, 01/31/2020 *	\$ 25,000,000		24,933,750
1.555%, 01/16/2020 *	10,000,000		9,980,125
1.560%, 01/23/2020 *	15,000,000		14,965,550
1.590%, 02/10/2020 *	30,000,000		29,906,667
1.590%, 03/02/2020 *	10,000,000		9,959,556
1.720%, 12/03/2019 *	20,000,000		19,999,122
			109,744,770

John Hancock Collateral Trust, 1.7887% (F)(G)	9,452,961	\$	94,589,167
<b>Repurchase agreement – 0.5%</b>			
Repurchase Agreement with State Street Corp. dated 11-29-19 at 0.550% to be repurchased at \$37,246,707 on 12-2-19, collateralized by \$37,055,000 U.S. Treasury Notes, 2.875% due 10-15-21 (maturity value of \$38,002,496)	\$ 37,245,000		37,245,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$241,570,658)</b>		<b>\$</b>	<b>241,578,937</b>
<b>Total Investments (Strategic Equity Allocation Fund) (Cost \$6,951,721,542) – 100.8%</b>		<b>\$</b>	<b>7,734,003,231</b>
<b>Other assets and liabilities, net – (0.8%)</b>			<b>(64,362,236)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$</b>	<b>7,669,640,995</b>

#### Currency Abbreviations

BRL	Brazilian Real
THB	Thai Bhat

#### Security Abbreviations and Legend

ADR	American Depositary Receipt
NVDR	Non-Voting Depositary Receipt
(A)	Non-income producing security.
(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.
(C)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$89,627,202.
(D)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
(E)	Strike price and/or expiration date not available.
(F)	The rate shown is the annualized seven-day yield as of 11-30-19.
(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.
*	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)
Canadian Dollar Currency Futures	66	Long	Dec 2019	\$4,982,838	\$4,969,140	\$(13,698)
MSCI EAFE Index Futures	543	Long	Dec 2019	52,737,665	53,683,695	946,030
MSCI Emerging Markets Index Futures	322	Long	Dec 2019	16,854,745	16,711,800	(142,945)

Russell 2000 E-Mini Index Futures	118	Long	Dec 2019	9,482,590	9,580,420	97,830
S&P 500 Index E-Mini Futures	479	Long	Dec 2019	72,371,263	75,250,900	2,879,637
S&P Mid 400 Index E-Mini Futures	73	Long	Dec 2019	14,149,341	14,673,000	523,659
S&P/TSX 60 Index Futures	30	Long	Dec 2019	4,521,522	4,597,004	75,482
						<b>\$4,365,995</b>

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

# John Hancock Funds II

## Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### U.S. High Yield Bond Fund

	Shares or Principal Amount	Value
<b>CORPORATE BONDS – 89.9%</b>		
<b>Communication services – 15.9%</b>		
CCO Holdings LLC		
4.000%, 03/01/2023 (A)	\$ 50,000	\$ 50,938
5.000%, 02/01/2028 (A)	125,000	131,563
5.125%, 02/15/2023	20,000	20,325
5.125%, 05/01/2023 to 05/01/2027 (A)	1,250,000	1,288,750
5.250%, 09/30/2022	310,000	314,263
5.375%, 05/01/2025 (A)	2,350,000	2,432,250
5.750%, 02/15/2026 (A)	2,700,000	2,851,767
5.875%, 04/01/2024 (A)	470,000	489,975
Cinemark USA, Inc.		
5.125%, 12/15/2022	700,000	707,000
CSC Holdings LLC		
5.375%, 07/15/2023 to 02/01/2028 (A)	1,105,000	1,145,726
5.500%, 05/15/2026 (A)	1,125,000	1,188,461
7.500%, 04/01/2028 (A)	550,000	619,438
7.750%, 07/15/2025 (A)	1,125,000	1,206,574
Gray Television, Inc.		

### U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Zayo Group LLC		
5.750%, 01/15/2027 (A)	\$ 400,000	\$ 408,000
6.375%, 05/15/2025	1,418,000	1,458,727
		<b>39,451,997</b>
<b>Consumer discretionary – 14.1%</b>		
Asbury Automotive Group, Inc.		
6.000%, 12/15/2024 (B)	2,445,000	2,521,406
Carriage Services, Inc.		
6.625%, 06/01/2026 (A)	900,000	942,750
CCM Merger, Inc.		
6.000%, 03/15/2022 (A)	3,050,000	3,111,000
Connect Finco Sarl		
6.750%, 10/01/2026 (A)	350,000	359,188
Cooper Tire & Rubber Company		
7.625%, 03/15/2027	2,410,000	2,771,500
Diamond Sports Group LLC		
5.375%, 08/15/2026 (A)	125,000	126,875
6.625%, 08/15/2027 (A)(B)	125,000	121,839
ESH Hospitality, Inc.		
4.625%, 10/01/2027 (A)	125,000	125,625
5.250%, 05/01/2025 (A)	2,975,000	3,071,688
GLP Capital LP		
4.375%, 04/15/2021	75,000	76,469
5.375%, 11/01/2023	625,000	682,656
Group 1 Automotive, Inc.		
5.000%, 06/01/2022	925,000	936,563
5.250%, 12/15/2023 (A)	500,000	512,085
Hilton Domestic Operating Company, Inc.		
4.875%, 01/15/2030	125,000	132,813
5.125%, 05/01/2026	225,000	236,813

5.125%, 10/15/ 2024 (A)(B)	975,000	1,011,563	KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
5.875%, 07/15/ 2026 (A)(B)	2,000,000	2,120,710	5.000%, 06/01/2024 (A)	650,000	674,375
7.000%, 05/15/ 2027 (A)	200,000	221,500	5.250%, 06/01/2026 (A)	650,000	689,065
Intelsat Connect Finance SA			Levi Strauss & Company		
9.500%, 02/15/ 2023 (A)(B)	275,000	160,875	5.000%, 05/01/2025	175,000	180,250
Intelsat Jackson Holdings SA			Lithia Motors, Inc.		
5.500%, 08/01/ 2023	3,400,000	2,701,980	5.250%, 08/01/2025 (A)	1,025,000	1,058,313
8.500%, 10/15/ 2024 (A)	1,100,000	904,750	LKQ Corp.		
Intelsat Luxembourg SA			4.750%, 05/15/2023	2,550,000	2,591,438
8.125%, 06/01/ 2023 (B)	300,000	136,500	Panther BF Aggregator 2 LP		
Lamar Media Corp.			6.250%, 05/15/2026 (A)	100,000	106,313
5.375%, 01/15/ 2024	320,000	327,200	Penske Automotive Group, Inc.		
5.750%, 02/01/ 2026	50,000	53,173	3.750%, 08/15/2020	415,000	416,556
Level 3 Financing, Inc.			5.375%, 12/01/2024	1,125,000	1,155,938
5.125%, 05/01/ 2023	665,000	669,988	5.750%, 10/01/2022	2,000,000	2,021,752
5.375%, 08/15/ 2022 to 01/15/ 2024	845,000	853,481	Service Corp. International		
5.625%, 02/01/ 2023	310,000	311,163	4.625%, 12/15/2027	425,000	440,938
Live Nation Entertainment, Inc.			5.125%, 06/01/2029	1,175,000	1,254,313
4.750%, 10/15/ 2027 (A)	25,000	25,750	7.500%, 04/01/2027	450,000	549,000
4.875%, 11/01/ 2024 (A)	925,000	957,375	8.000%, 11/15/2021	2,145,000	2,354,138
5.625%, 03/15/ 2026 (A)	150,000	159,750	Sonic Automotive, Inc.		
National CineMedia LLC			5.000%, 05/15/2023	1,450,000	1,468,125
5.875%, 04/15/ 2028 (A)	1,275,000	1,329,188	6.125%, 03/15/2027	350,000	365,313
Nexstar Broadcasting, Inc.			Telesat Canada		
5.625%, 07/15/ 2027 (A)	1,270,000	1,337,793	6.500%, 10/15/2027 (A)	125,000	128,900
Nielsen Finance LLC			The William Carter Company		
5.000%, 04/15/ 2022 (A)	2,825,000	2,842,656	5.625%, 03/15/2027 (A)	1,000,000	1,077,500
Outfront Media Capital LLC			Wolverine World Wide, Inc.		
4.625%, 03/15/ 2030 (A)	75,000	75,704	5.000%, 09/01/2026 (A)	1,200,000	1,227,000
5.625%, 02/15/ 2024	375,000	384,746	Wyndham Hotels & Resorts, Inc.		
			5.375%, 04/15/2026 (A)	1,270,000	1,339,850

Salem Media Group, Inc. 6.750%, 06/01/2024 (A)(B)	1,675,000	1,465,625
Scripps Escrow, Inc. 5.875%, 07/15/2027 (A)	125,000	128,398
Sprint Capital Corp. 6.875%, 11/15/2028	140,000	149,278
8.750%, 03/15/2032	650,000	775,125
The EW Scripps Company 5.125%, 05/15/2025 (A)	2,000,000	2,027,500
The Nielsen Company Luxembourg Sarl 5.000%, 02/01/2025 (A)(B)	400,000	401,500
T-Mobile USA, Inc. 4.000%, 04/15/2022 (B)	375,000	386,250
4.500%, 02/01/2026	75,000	76,969
4.750%, 02/01/2028	325,000	340,031
5.125%, 04/15/2025	250,000	258,438
5.375%, 04/15/2027	875,000	935,156
6.375%, 03/01/2025	1,550,000	1,608,125

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Yum! Brands, Inc. 4.750%, 01/15/2030 (A)	\$ 150,000	\$ 155,250
		34,983,597
<b>Consumer staples – 1.4%</b>		
Central Garden & Pet Company 5.125%, 02/01/2028	150,000	155,625
Cott Holdings, Inc. 5.500%, 04/01/2025 (A)	375,000	392,813

### U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Indigo Natural Resources LLC 6.875%, 02/15/2026 (A)	\$ 525,000	\$ 476,438
MPLX LP 5.250%, 01/15/2025 (A)	425,000	446,185
6.375%, 05/01/2024 (A)	275,000	287,664
Murphy Oil Corp. 5.750%, 08/15/2025	125,000	127,966
5.875%, 12/01/2027	125,000	125,651

Darling Ingredients, Inc. 5.250%, 04/15/2027 (A)(B)	500,000	528,125	6.875%, 08/15/2024	585,000	612,290
Lamb Weston Holdings, Inc. 4.625%, 11/01/2024 (A)	25,000	26,406	Murphy Oil USA, Inc. 4.750%, 09/15/2029	75,000	79,193
Pilgrim's Pride Corp. 5.750%, 03/15/2025 (A)	940,000	975,250	NGPL PipeCo LLC 4.375%, 08/15/2022 (A)	225,000	232,992
5.875%, 09/30/2027 (A)	125,000	135,000	7.768%, 12/15/2037 (A)	750,000	958,244
Prestige Brands, Inc. 5.125%, 01/15/2028 (A)	125,000	127,969	Oceaneering International, Inc. 6.000%, 02/01/2028	1,350,000	1,213,117
6.375%, 03/01/2024 (A)(B)	725,000	754,906	Rockies Express Pipeline LLC 5.625%, 04/15/2020 (A)(B)	2,250,000	2,281,510
Spectrum Brands, Inc. 5.750%, 07/15/2025	275,000	287,975	6.875%, 04/15/2040 (A)	1,207,000	1,252,987
		3,384,069	7.500%, 07/15/2038 (A)	201,000	210,045
<b>Energy – 15.9%</b>			Rowan Companies, Inc. 4.875%, 06/01/2022	725,000	445,875
Antero Midstream Partners LP 5.750%, 01/15/2028 (A)	1,225,000	946,313	SemGroup Corp. 5.625%, 07/15/2022 to 11/15/2023	1,625,000	1,648,751
Archrock Partners LP 6.000%, 10/01/2022	300,000	300,750	6.375%, 03/15/2025	1,925,000	2,006,813
6.875%, 04/01/2027 (A)	450,000	463,322	7.250%, 03/15/2026	910,000	998,725
Baytex Energy Corp. 5.125%, 06/01/2021 (A)(B)	950,000	939,313	Southwestern Energy Company 6.200%, 01/23/2025	15,000	13,050
5.625%, 06/01/2024 (A)	1,160,000	1,034,674	7.500%, 04/01/2026 (B)	250,000	219,063
Buckeye Partners LP 5.850%, 11/15/2043	1,075,000	917,769	7.750%, 10/01/2027 (B)	250,000	217,188
Carrizo Oil & Gas, Inc. 6.250%, 04/15/2023 (B)	225,000	216,563	Summit Midstream Holdings LLC 5.750%, 04/15/2025	125,000	94,375
8.250%, 07/15/2025	850,000	833,000	Tallgrass Energy Partners LP 5.500%, 09/15/2024 (A)	2,500,000	2,434,375
Cheniere Corpus Christi Holdings LLC 5.125%, 06/30/2027	75,000	82,484	Ultra Resources, Inc. 7.125%, 04/15/2025 (A)	2,675,000	234,063
Cheniere Energy Partners LP 4.500%, 10/01/2029 (A)	350,000	351,855	USA Compression Partners LP 6.875%, 04/01/2026	800,000	822,000
5.250%, 10/01/2025	3,175,000	3,270,250	6.875%, 09/01/2027 (A)	100,000	102,280
5.625%, 10/01/2026	400,000	420,992	Valaris PLC 5.750%, 10/01/2044	2,575,000	978,500
Continental Resources, Inc. 3.800%, 06/01/2024	325,000	332,559			39,345,056
Denbury Resources, Inc. 7.750%, 02/15/2024 (A)	743,000	552,606	<b>Financials – 4.1%</b>		
9.000%, 05/15/2021 (A)	1,300,000	1,140,750	Alliant Holdings Intermediate LLC 6.750%, 10/15/2027 (A)	150,000	158,625
9.250%, 03/31/2022 (A)	451,000	373,203	Ally Financial, Inc. 8.000%, 03/15/2020	200,000	202,518
Diamond Offshore Drilling, Inc. 4.875%, 11/01/2043	1,086,000	553,860	AmWINS Group, Inc. 7.750%, 07/01/2026 (A)	700,000	756,875
EnLink Midstream LLC 5.375%, 06/01/2029	1,350,000	1,143,720	CIT Group, Inc. 4.125%, 03/09/2021	40,000	40,750
EnLink Midstream Partners LP 4.150%, 06/01/2025	75,000	66,189	6.125%, 03/09/2028	50,000	58,750
4.400%, 04/01/2024	700,000	644,000	FirstCash, Inc. 5.375%, 06/01/2024 (A)	1,175,000	1,217,594
4.850%, 07/15/2026	725,000	640,936	HUB International, Ltd. 7.000%, 05/01/2026 (A)	925,000	948,125
Enviva Partners LP 6.500%, 01/15/2026 (A)	650,000	675,480	Jefferies Finance LLC 6.250%, 06/03/2026 (A)	725,000	752,188
Era Group, Inc. 7.750%, 12/15/2022 (B)	1,600,000	1,616,000	LPL Holdings, Inc. 5.750%, 09/15/2025 (A)	2,425,000	2,562,522
Gulfport Energy Corp. 6.000%, 10/15/2024	1,250,000	855,875	Springleaf Finance Corp. 5.375%, 11/15/2029	625,000	643,750
Hilcorp Energy I LP 5.000%, 12/01/2024 (A)	1,250,000	1,112,988	6.125%, 03/15/2024	400,000	438,004
5.750%, 10/01/2025 (A)	1,325,000	1,150,988	6.625%, 01/15/2028	400,000	442,000

6.250%, 11/01/2028 (A)

225,000

189,277

7.125%, 03/15/2026

600,000

691,500

114

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Springleaf Finance Corp. (continued)		
8.250%, 10/01/2023	\$ 225,000	\$ 262,688
USI, Inc.		
6.875%, 05/01/2025 (A)	875,000	879,375
		10,055,264
<b>Health care – 8.2%</b>		
Bausch Health Americas, Inc.		
8.500%, 01/31/2027 (A)	300,000	339,750
Bausch Health Companies, Inc.		
5.500%, 03/01/2023 to 11/01/2025 (A)	1,034,000	1,053,005
5.750%, 08/15/2027 (A)	50,000	54,188
5.875%, 05/15/2023 (A)	959,000	970,988
6.125%, 04/15/2025 (A)	1,265,000	1,315,562
6.500%, 03/15/2022 (A)	175,000	179,594
7.000%, 03/15/2024 to 01/15/2028 (A)	425,000	449,597
7.250%, 05/30/2029 (A)(B)	50,000	56,018
Centene Corp.		
5.375%, 06/01/2026 (A)	450,000	477,563
6.125%, 02/15/2024	200,000	207,875
Change Healthcare Holdings LLC		
5.750%, 03/01/2025 (A)	2,150,000	2,219,875
Charles River Laboratories International, Inc.		
4.250%, 05/01/2028 (A)	75,000	75,563
5.500%, 04/01/2026 (A)	250,000	266,250
Community Health Systems, Inc.		
5.125%, 08/01/2021 (B)	1,575,000	1,563,188
DaVita, Inc.		
5.000%, 05/01/2025 (B)	675,000	696,384
Encompass Health Corp.		
4.500%, 02/01/2028	125,000	128,125
4.750%, 02/01/2030	125,000	129,060
5.125%, 03/15/2023	245,000	250,206
5.750%, 11/01/2024 to 09/15/2025	65,000	67,706
Hill-Rom Holdings, Inc.		
4.375%, 09/15/2027 (A)	50,000	51,250
5.000%, 02/15/2025 (A)	50,000	52,125

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Vizient, Inc.		
6.250%, 05/15/2027 (A)	\$ 125,000	\$ 135,313
WellCare Health Plans, Inc.		
5.375%, 08/15/2026 (A)	100,000	106,500
		20,242,950
<b>Industrials – 9.6%</b>		
ACCO Brands Corp.		
5.250%, 12/15/2024 (A)(B)	25,000	25,938
Advanced Disposal Services, Inc.		
5.625%, 11/15/2024 (A)	1,925,000	2,009,219
Allison Transmission, Inc.		
4.750%, 10/01/2027 (A)	575,000	590,813
5.000%, 10/01/2024 (A)	2,625,000	2,687,344
5.875%, 06/01/2029 (A)(B)	350,000	377,563
BBA US Holdings, Inc.		
4.000%, 03/01/2028 (A)	525,000	528,439
5.375%, 05/01/2026 (A)	1,375,000	1,445,785
Covanta Holding Corp.		
5.875%, 03/01/2024 to 07/01/2025	1,250,000	1,295,000
6.000%, 01/01/2027 (B)	475,000	497,563
Fortress Transportation & Infrastructure Investors LLC		
6.500%, 10/01/2025 (A)	950,000	977,712
Harsco Corp.		
5.750%, 07/31/2027 (A)	50,000	52,625
IAA, Inc.		
5.500%, 06/15/2027 (A)	1,125,000	1,183,056
KAR Auction Services, Inc.		
5.125%, 06/01/2025 (A)(B)	3,250,000	3,302,813
RBS Global, Inc.		
4.875%, 12/15/2025 (A)	1,250,000	1,284,375
Ritchie Bros Auctioneers, Inc.		
5.375%, 01/15/2025 (A)	2,650,000	2,759,074
Sensata Technologies BV		
5.625%, 11/01/2024 (A)	1,600,000	1,760,000
Sensata Technologies UK Financing Company PLC		
6.250%, 02/15/2026 (A)	250,000	268,593
Stevens Holding Company, Inc.		
6.125%, 10/01/2026 (A)	1,250,000	1,353,125

Hologic, Inc.				TriMas Corp.			
4.375%, 10/15/2025 (A)	1,300,000	1,339,000		4.875%, 10/15/2025 (A)	1,325,000	1,354,813	
4.625%, 02/01/2028 (A)	150,000	158,250				23,753,850	
<b>IQVIA, Inc.</b>				<b>Information technology – 5.3%</b>			
5.000%, 10/15/2026 to 05/15/2027 (A)	700,000	735,000		Cardtronics, Inc.			
<b>MEDNAX, Inc.</b>				5.500%, 05/01/2025 (A)	1,800,000	1,862,046	
5.250%, 12/01/2023 (A)	175,000	178,938		CDK Global, Inc.			
6.250%, 01/15/2027 (A)	325,000	330,688		4.875%, 06/01/2027	150,000	157,142	
<b>MPH Acquisition Holdings LLC</b>				5.000%, 10/15/2024 (B)	600,000	648,750	
7.125%, 06/01/2024 (A)	2,225,000	2,019,188		5.250%, 05/15/2029 (A)	100,000	106,015	
<b>NVA Holdings, Inc.</b>				5.875%, 06/15/2026	125,000	133,594	
6.875%, 04/01/2026 (A)	150,000	162,000		CommScope Technologies LLC			
<b>Polaris Intermediate Corp. (8.500% Cash or 9.250% PIK) 8.500%, 12/01/2022 (A)(B)</b>	400,000	331,900		6.000%, 06/15/2025 (A)	525,000	506,625	
<b>Select Medical Corp.</b>				CommScope, Inc.			
6.250%, 08/15/2026 (A)	625,000	670,313		8.250%, 03/01/2027 (A)	50,000	50,248	
<b>Surgery Center Holdings, Inc.</b>				Dell International LLC			
6.750%, 07/01/2025 (A)(B)	325,000	312,813		5.875%, 06/15/2021 (A)	1,207,000	1,225,105	
<b>Tenet Healthcare Corp.</b>				7.125%, 06/15/2024 (A)(B)	2,275,000	2,405,813	
4.625%, 07/15/2024	775,000	802,125		Fair Isaac Corp.			
4.875%, 01/01/2026 (A)	400,000	415,500		5.250%, 05/15/2026 (A)	725,000	790,250	
5.125%, 11/01/2027 (A)	100,000	104,500		Gartner, Inc.			
<b>Teva Pharmaceutical Finance Netherlands III BV</b>				5.125%, 04/01/2025 (A)	615,000	644,797	
4.100%, 10/01/2046	500,000	363,750		Infor US, Inc.			
6.750%, 03/01/2028 (B)	1,500,000	1,473,300		6.500%, 05/15/2022	355,000	361,674	

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
NCR Corp.		
5.000%, 07/15/2022	\$ 1,510,000	\$ 1,524,723
5.875%, 12/15/2021	900,000	900,563
6.375%, 12/15/2023	750,000	768,113
NortonLifeLock, Inc.		
5.000%, 04/15/2025 (A)	125,000	126,246
Qorvo, Inc.		
4.375%, 10/15/2029 (A)	200,000	203,250
SS&C Technologies, Inc.		
5.500%, 09/30/2027 (A)	700,000	748,965
		13,163,919
<b>Materials – 5.4%</b>		

### U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
MPT Operating Partnership LP (continued)		
5.250%, 08/01/2026	\$ 800,000	\$ 850,168
5.500%, 05/01/2024	715,000	734,663
6.375%, 03/01/2024	60,000	62,756
SBA Communications Corp.		
4.000%, 10/01/2022	525,000	534,844
4.875%, 07/15/2022	100,000	101,375
The GEO Group, Inc.		
5.125%, 04/01/2023	210,000	185,850
5.875%, 01/15/2022 to 10/15/2024	1,665,000	1,541,588
6.000%, 04/15/2026	975,000	772,688



# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (C) (continued)</b>		
<b>Consumer discretionary – 0.4%</b>		
CCM Merger, Inc., New Term Loan B (1 month LIBOR + 2.250%) 3.952%, 08/08/2021	\$ 288,010	\$ 287,578
Montreign Operating Company LLC, Term Loan B (3 month LIBOR + 8.250%) 10.159%, 01/24/2023	723,164	629,927
		917,505
<b>Consumer staples – 0.1%</b>		
Atkins Nutritionals Holdings, Inc., 2017 Term Loan B 07/07/2024 TBD (D)	150,000	150,750
<b>Energy – 0.5%</b>		
EPIC Crude Services LP, Term Loan B (6 month LIBOR + 5.000%) 7.040%, 03/02/2026	600,000	564,750
Hornbeck Offshore Services, Inc., 2nd Lien Term Loan (3 month LIBOR + 9.500%) 9.500%, 02/05/2025	497,250	338,130
Ultra Resources, Inc., 1st Lien Term Loan (1 month LIBOR + 3.750% Cash or 0.250% PIK) 5.702%, 04/ 12/2024	672,365	396,359
		1,299,239
<b>Financials – 1.0%</b>		
Capital Automotive LP, 2017 2nd Lien Term Loan (1 month LIBOR + 6.000%) 7.710%, 03/24/2025	329,268	329,475
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 5.903%, 04/25/ 2025	150,000	150,306
Nexus Buyer LLC, Term Loan B (1 month LIBOR + 3.750%) 5.505%, 11/09/2026	475,000	477,375
USI, Inc., 2019 Term Loan B 12/02/2026 TBD (D)	150,000	149,750
Victory Capital Holdings, Inc., 2019 Term Loan B (3 month LIBOR + 3.250%) 5.349%, 07/01/2026	1,369,636	1,375,348
		2,482,254
<b>Information technology – 0.3%</b>		
Emerald TopCo, Inc., Term Loan (1 month LIBOR + 3.500%) 5.202%, 07/24/2026	675,000	671,504

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS – 12.4%</b>		
<b>Short-term funds – 12.4%</b>		
John Hancock Collateral Trust, 1.7887% (H)(I)	1,968,026	\$ 19,692,654
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5954% (H)	10,944,818	10,944,818
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$30,636,674)</b>		<b>\$ 30,637,472</b>
<b>Total Investments (U.S. High Yield Bond Fund) (Cost \$264,451,872) – 107.0%</b>		<b>\$ 264,840,272</b>
<b>Other assets and liabilities, net – (7.0%)</b>		<b>(17,317,390)</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 247,522,882</b>

### Security Abbreviations and Legend

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 \$141,814,198 or 57.3% of the fund's net assets as of 11-30-19.
(B)	All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$19,269,999.
(C)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(D)	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).
(E)	Non-income producing security.
(F)	Strike price and/or expiration date not available.
(G)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
(H)	The rate shown is the annualized seven-day yield as of 11-30-19.
(I)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## U.S. Sector Rotation Fund

	Shares or Principal Amount	Value
<b>COMMON STOCKS – 98.0%</b>		

<b>Materials – 0.0%</b>		
Clearwater Paper Corp., Term Loan B (1 week LIBOR + 3.250%) 4.875%, 07/26/2026	150,000	149,625
<b>TOTAL TERM LOANS (Cost \$10,565,940)</b>		<b>\$ 10,090,781</b>
<b>RIGHTS – 0.1%</b>		
DISH Network Corp. (Expiration Date: 12-9-19; Strike Price: \$33.52) (E)	477	325
Texas Competitive Electric Holdings Company LLC (E)(F)	215,025	189,222
<b>TOTAL RIGHTS (Cost \$1,079,996)</b>		<b>\$ 189,547</b>
<b>ESCROW CERTIFICATES – 0.0%</b>		
Texas Competitive Electric Holdings Company LLC 11.500%, 10/01/2020 (E)(G)	\$ 13,200,000	19,800
<b>TOTAL ESCROW CERTIFICATES (Cost \$6,477)</b>		<b>\$ 19,800</b>

<b>Communication services – 11.2%</b>		
<b>Diversified telecommunication services – 2.1%</b>		
AT&T, Inc.	386,445	\$ 14,445,314
CenturyLink, Inc.	51,919	752,306
Verizon Communications, Inc.	218,740	13,176,898
		<b>28,374,518</b>
<b>Entertainment – 2.1%</b>		
Activision Blizzard, Inc.	41,923	2,298,638
Electronic Arts, Inc. (A)	16,108	1,627,069
Netflix, Inc. (A)	23,931	7,530,128
Take-Two Interactive Software, Inc. (A)	6,186	750,671
The Walt Disney Company	98,458	14,924,264
Viacom, Inc., Class B	19,347	465,682
		<b>27,596,452</b>
<b>Interactive media and services – 5.4%</b>		
Alphabet, Inc., Class A (A)	16,372	21,350,561
Alphabet, Inc., Class C (A)	16,517	21,554,024
Facebook, Inc., Class A (A)	131,490	26,513,644
TripAdvisor, Inc.	5,739	162,988

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Interactive media and services (continued)</b>		
Twitter, Inc. (A)	42,251	\$ 1,305,978
		70,887,195
<b>Media – 1.5%</b>		
CBS Corp., Class B	17,886	722,237
Charter Communications, Inc., Class A (A)	8,837	4,153,478
Comcast Corp., Class A	247,899	10,944,741
Discovery, Inc., Series A (A)(B)	8,638	284,536
Discovery, Inc., Series C (A)	18,963	578,751
DISH Network Corp., Class A (A)	13,862	473,665

### U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Household durables (continued)</b>		
Newell Brands, Inc.	18,055	\$ 347,017
NVR, Inc. (A)	163	618,078
PulteGroup, Inc.	12,213	484,245
Whirlpool Corp.	3,010	430,731
		<b>4,962,465</b>
<b>Internet and direct marketing retail – 2.5%</b>		
Amazon.com, Inc. (A)	15,958	28,737,166
Booking Holdings, Inc. (A)	1,633	3,109,281
eBay, Inc.	30,281	1,075,581

Fox Corp., Class A	19,372	692,743	Expedia Group, Inc.	5,371	546,016
Fox Corp., Class B	8,874	310,413			33,468,044
Media General, Inc. (A)(C)	7,175	689	<b>Leisure products – 0.0%</b>		
News Corp., Class A	21,076	271,459	Hasbro, Inc.	5,967	606,844
News Corp., Class B	6,659	87,699	<b>Multiline retail – 0.5%</b>		
Omnicom Group, Inc.	11,889	944,938	Dollar General Corp.	12,831	2,019,086
The Interpublic Group of Companies, Inc.	21,165	474,096	Dollar Tree, Inc. (A)	11,811	1,080,234
		19,939,445	Kohl's Corp.	7,943	373,400
<b>Wireless telecommunication services – 0.1%</b>			Macy's, Inc.	15,419	236,219
T-Mobile US, Inc. (A)	16,720	1,313,356	Nordstrom, Inc. (B)	5,335	203,637
		148,110,966	Target Corp.	25,502	3,188,005
<b>Consumer discretionary – 9.5%</b>					7,100,581
<b>Auto components – 0.1%</b>			<b>Specialty retail – 3.2%</b>		
Aptiv PLC	5,398	506,764	Advance Auto Parts, Inc.	4,942	776,289
BorgWarner, Inc.	4,351	182,960	AutoZone, Inc. (A)	1,698	2,000,108
		689,724	Best Buy Company, Inc.	16,058	1,294,917
<b>Automobiles – 0.1%</b>			CarMax, Inc. (A)	11,464	1,114,989
Ford Motor Company	82,571	748,093	L Brands, Inc.	16,074	307,656
General Motors Company	26,472	952,992	Lowe's Companies, Inc.	53,433	6,268,225
Harley-Davidson, Inc.	3,302	120,127	O'Reilly Automotive, Inc. (A)	5,297	2,342,757
		1,821,212	Ross Stores, Inc.	25,248	2,932,555
<b>Distributors – 0.1%</b>			The Gap, Inc.	14,829	246,310
Genuine Parts Company	9,892	1,032,428	The Home Depot, Inc.	75,819	16,718,848
LKQ Corp. (A)	20,870	736,294	The TJX Companies, Inc.	83,696	5,116,336
		1,768,722	Tiffany & Company	7,527	1,007,113
<b>Diversified consumer services – 0.0%</b>			Tractor Supply Company	8,257	779,791
H&R Block, Inc.	10,435	254,405	Ulta Beauty, Inc. (A)	4,074	952,746
					41,858,640
<b>Hotels, restaurants and leisure – 1.9%</b>			<b>Textiles, apparel and luxury goods – 0.7%</b>		
Carnival Corp.	20,817	938,430	Capri Holdings, Ltd. (A)	7,182	266,739
Chipotle Mexican Grill, Inc. (A)	1,326	1,079,258	Hanesbrands, Inc.	17,131	258,164
Darden Restaurants, Inc.	6,385	756,239	NIKE, Inc., Class B	59,315	5,545,359
Hilton Worldwide Holdings, Inc.	14,913	1,565,865	PVH Corp.	3,513	340,620
Las Vegas Sands Corp.	17,609	1,104,965	Ralph Lauren Corp.	2,456	263,627
Marriott International, Inc., Class A	14,212	1,994,796	Tapestry, Inc.	13,591	365,462
McDonald's Corp.	39,483	7,678,654	Under Armour, Inc., Class A (A)(B)	8,914	168,385
MGM Resorts International	27,108	866,101	Under Armour, Inc., Class C (A)	9,209	159,316
Norwegian Cruise Line Holdings, Ltd. (A)	11,209	601,251	VF Corp.	15,470	1,369,714
Royal Caribbean Cruises, Ltd.	8,934	1,072,259			8,737,386
Starbucks Corp.	62,230	5,316,309			126,443,129
Wynn Resorts, Ltd.	5,035	608,480	<b>Consumer staples – 8.0%</b>		
Yum! Brands, Inc.	15,819	1,592,499	<b>Beverages – 1.9%</b>		
		25,175,106	Brown-Forman Corp., Class B	9,781	663,347
<b>Household durables – 0.4%</b>			Constellation Brands, Inc., Class A	8,987	1,672,121
D.R. Horton, Inc.	15,946	882,611	Molson Coors Brewing Company, Class B	10,095	509,596
Garmin, Ltd.	6,846	668,786	Monster Beverage Corp. (A)	20,789	1,243,598
Hamilton Beach Brands Holding Company, Class B	294	5,780	PepsiCo, Inc.	75,135	10,205,587
Leggett & Platt, Inc.	6,229	325,901	The Coca-Cola Company	206,806	11,043,440
Lennar Corp., A Shares	13,475	803,784			25,337,689
Mohawk Industries, Inc. (A)	2,838	395,532	<b>Food and staples retailing – 1.7%</b>		
			Costco Wholesale Corp.	24,066	7,215,227
			Sysco Corp.	28,082	2,262,005

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Food and staples retailing (continued)</b>		
The Kroger Company	43,712	\$ 1,195,086
Walgreens Boots Alliance, Inc.	41,514	2,474,234
Walmart, Inc.	77,823	9,267,941
		22,414,493
<b>Food products – 1.2%</b>		
Archer-Daniels-Midland Company	29,931	1,284,938
Campbell Soup Company	9,063	422,064
Conagra Brands, Inc.	26,149	754,922
General Mills, Inc.	32,430	1,729,168
Hormel Foods Corp.	14,921	664,432
Kellogg Company	13,362	870,133
Lamb Weston Holdings, Inc.	7,828	657,395
McCormick & Company, Inc.	6,612	1,119,081
Mondelez International, Inc., Class A	77,498	4,071,745
The Hershey Company	8,005	1,186,021
The J.M. Smucker Company	6,129	644,097
The Kraft Heinz Company	33,436	1,019,798
Tyson Foods, Inc., Class A	15,835	1,423,408
		15,847,202
<b>Household products – 2.1%</b>		
Church & Dwight Company, Inc.	15,308	1,075,234
Colgate-Palmolive Company	53,155	3,604,972
Kimberly-Clark Corp.	21,324	2,907,314
The Clorox Company	7,790	1,154,712
The Procter & Gamble Company	155,044	18,924,671
		27,666,903
<b>Personal products – 0.2%</b>		
Coty, Inc., Class A	18,223	210,293
The Estee Lauder Companies, Inc., Class A	13,705	2,678,916
		2,889,209
<b>Tobacco – 0.9%</b>		
Altria Group, Inc.	100,387	4,989,234
Philip Morris International, Inc.	83,608	6,933,611
		11,922,845
		106,078,341
<b>Energy – 1.8%</b>		
<b>Energy equipment and services – 0.2%</b>		
Baker Hughes Company	14,362	321,996

## U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Oil, gas and consumable fuels (continued)</b>		
Occidental Petroleum Corp.	19,791	\$ 763,339
ONEOK, Inc.	9,137	649,184
Phillips 66	9,924	1,138,481
Pioneer Natural Resources Company	3,698	472,752
The Williams Companies, Inc.	26,816	609,260
Valero Energy Corp.	9,169	875,548
		22,105,392
		24,405,040
<b>Financials – 10.1%</b>		
<b>Banks – 4.3%</b>		
Bank of America Corp.	322,999	10,762,327
BB&T Corp.	29,540	1,616,429
Citigroup, Inc.	87,099	6,542,877
Citizens Financial Group, Inc.	17,238	662,973
Comerica, Inc.	5,759	405,491
Fifth Third Bancorp	28,164	850,271
First Republic Bank	6,486	712,811
Huntington Bancshares, Inc.	40,014	595,808
JPMorgan Chase & Co.	123,281	16,243,505
KeyCorp	38,681	750,025
M&T Bank Corp.	5,154	849,070
People's United Financial, Inc.	17,100	282,150
Regions Financial Corp.	38,470	640,141
SunTrust Banks, Inc.	17,116	1,212,497
SVB Financial Group (A)	1,987	460,448
The PNC Financial Services Group, Inc.	17,167	2,630,156
U.S. Bancorp	55,289	3,318,999
Wells Fargo & Company	154,591	8,419,026
Zions Bancorp NA	6,823	339,649
		57,294,653
<b>Capital markets – 2.7%</b>		
Affiliated Managers Group, Inc.	2,505	213,852
Ameriprise Financial, Inc.	6,475	1,061,058
BlackRock, Inc.	5,812	2,876,417
Cboe Global Markets, Inc.	5,525	656,923
CME Group, Inc.	17,717	3,591,767
E*TRADE Financial Corp.	11,221	497,090
Franklin Resources, Inc.	13,955	383,623

Halliburton Company	19,380	406,786	Intercontinental Exchange, Inc.	27,727	2,611,052
Helmerich & Payne, Inc.	2,421	95,702	Invesco, Ltd.	19,060	334,694
National Oilwell Varco, Inc.	8,538	192,532	MarketAxess Holdings, Inc.	1,868	754,336
Schlumberger, Ltd.	30,599	1,107,684	Moody's Corp.	8,050	1,824,694
TechnipFMC PLC	9,286	174,948	Morgan Stanley	62,147	3,075,034
		2,299,648	MSCI, Inc.	4,191	1,086,265
<b>Oil, gas and consumable fuels – 1.6%</b>			Nasdaq, Inc.	5,704	597,779
Apache Corp.	8,318	185,325	Northern Trust Corp.	10,632	1,140,176
Cabot Oil & Gas Corp.	9,257	147,557	Raymond James Financial, Inc.	6,114	549,159
Chevron Corp.	42,002	4,919,694	S&P Global, Inc.	12,186	3,225,025
Cimarex Energy Company	2,245	103,203	State Street Corp.	18,434	1,384,393
Concho Resources, Inc.	4,449	322,819	T. Rowe Price Group, Inc.	11,655	1,440,092
ConocoPhillips	24,562	1,472,246	The Bank of New York Mellon Corp.	42,441	2,078,336
Devon Energy Corp.	8,943	195,762	The Charles Schwab Corp.	57,560	2,849,220
Diamondback Energy, Inc.	3,607	278,965	The Goldman Sachs Group, Inc.	16,011	3,544,035
EOG Resources, Inc.	12,840	910,356			35,775,020
Exxon Mobil Corp.	93,613	6,377,854	<b>Consumer finance – 0.7%</b>		
Hess Corp.	5,726	355,527	American Express Company	33,660	4,043,239
HollyFrontier Corp.	3,350	172,693	Capital One Financial Corp.	23,270	2,327,233
Kinder Morgan, Inc.	43,075	844,701	Discover Financial Services	15,745	1,336,278
Marathon Oil Corp.	17,789	207,242	Synchrony Financial	30,198	1,129,707
Marathon Petroleum Corp.	14,565	883,222			8,836,457
Noble Energy, Inc.	10,581	219,662	<b>Diversified financial services – 1.6%</b>		
			Berkshire Hathaway, Inc., Class B (A)	97,015	21,372,405

## John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

### U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Diversified financial services (continued)</b>		
First Eagle Private Credit LLC (A)(C)	2,317	\$ 560
		21,372,965
<b>Insurance – 0.8%</b>		
Aflac, Inc.	12,173	667,567
American International Group, Inc.	14,303	753,196
Aon PLC	3,878	789,600
Arthur J. Gallagher & Company	3,059	285,313
Assurant, Inc.	1,005	133,534
Chubb, Ltd.	7,493	1,135,040
Cincinnati Financial Corp.	2,498	267,411
Everest Re Group, Ltd.	670	181,744
Globe Life, Inc.	1,650	169,554
Lincoln National Corp.	3,291	194,334
Loews Corp.	4,276	217,648

### U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Health care providers and services (continued)</b>		
Centene Corp. (A)	22,213	\$ 1,343,220
Cigna Corp.	20,279	4,054,178
CVS Health Corp.	69,843	5,257,083
DaVita, Inc. (A)	4,876	349,951
HCA Healthcare, Inc.	14,284	1,980,619
Henry Schein, Inc. (A)	7,962	548,582
Humana, Inc.	7,255	2,475,624
Laboratory Corp. of America Holdings (A)	5,247	904,006
McKesson Corp.	9,930	1,436,275
Quest Diagnostics, Inc.	7,233	770,676
UnitedHealth Group, Inc.	50,895	14,243,984
Universal Health Services, Inc., Class B	4,363	608,595
WellCare Health Plans, Inc. (A)	2,702	870,233



# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

## U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Airlines (continued)</b>		
American Airlines Group, Inc.	10,873	\$ 312,490
Delta Air Lines, Inc.	15,877	909,911
Southwest Airlines Company	13,273	765,056
United Airlines Holdings, Inc. (A)	6,062	562,554
		2,783,403
<b>Building products – 0.3%</b>		
Allegion PLC	4,558	547,097
AO Smith Corp.	6,754	326,894
Fortune Brands Home & Security, Inc.	6,829	432,003
Johnson Controls International PLC	38,845	1,663,731
Masco Corp.	14,131	657,798
		3,627,523
<b>Commercial services and supplies – 0.4%</b>		
Cintas Corp.	4,279	1,099,960
Copart, Inc. (A)	10,394	925,066
Republic Services, Inc.	10,913	967,437
Rollins, Inc.	7,259	260,235
Waste Management, Inc.	20,120	2,271,749
		5,524,447
<b>Construction and engineering – 0.1%</b>		
Jacobs Engineering Group, Inc.	8,719	802,933
Quanta Services, Inc.	9,149	380,964
		1,183,897
<b>Electrical equipment – 0.5%</b>		
AMETEK, Inc.	11,618	1,150,298
Eaton Corp. PLC	21,369	1,976,633
Emerson Electric Company	31,296	2,311,523
Rockwell Automation, Inc.	5,953	1,165,836
		6,604,290
<b>Industrial conglomerates – 1.4%</b>		
3M Company	29,654	5,034,360
General Electric Company	449,851	5,069,821
Honeywell International, Inc.	37,088	6,622,062
Roper Technologies, Inc.	5,361	1,931,944
		18,658,187
<b>Machinery – 0.9%</b>		
Caterpillar, Inc.	15,061	2,179,779
Cummins, Inc.	4,224	772,401
Deere & Company	8,429	1,416,493
Dover Corp.	3,893	433,992
Flowserve Corp.	3,512	171,034
Fortive Corp.	7,905	570,504

## U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Road and rail (continued)</b>		
J.B. Hunt Transport Services, Inc.	2,343	\$ 270,898
Kansas City Southern	2,760	420,679
Norfolk Southern Corp.	7,227	1,398,425
Union Pacific Corp.	19,330	3,401,887
		7,058,543
<b>Trading companies and distributors – 0.2%</b>		
Fastenal Company	27,132	963,729
United Rentals, Inc. (A)	3,651	558,786
W.W. Grainger, Inc.	2,091	662,742
		2,185,257
		101,964,733
<b>Information technology – 25.7%</b>		
<b>Communications equipment – 1.1%</b>		
Arista Networks, Inc. (A)	3,264	636,904
Cisco Systems, Inc.	254,676	11,539,370
F5 Networks, Inc. (A)	3,607	525,576
Juniper Networks, Inc.	20,745	519,870
Motorola Solutions, Inc.	9,932	1,661,624
		14,883,344
<b>Electronic equipment, instruments and components – 0.6%</b>		
Amphenol Corp., Class A	17,844	1,855,776
CDW Corp.	8,682	1,172,504
Corning, Inc.	46,844	1,360,350
FLIR Systems, Inc.	8,135	435,711
IPG Photonics Corp. (A)	2,138	303,788
Keysight Technologies, Inc. (A)	11,253	1,204,409
TE Connectivity, Ltd.	20,153	1,868,385
		8,200,923
<b>IT services – 6.6%</b>		
Accenture PLC, Class A	38,634	7,771,615
Akamai Technologies, Inc. (A)	10,004	871,548
Alliance Data Systems Corp.	2,484	265,564
Automatic Data Processing, Inc.	26,312	4,493,563
Broadridge Financial Solutions, Inc.	6,930	857,310
Cognizant Technology Solutions Corp., Class A	33,489	2,146,980
DXC Technology Company	15,884	592,950
Fidelity National Information Services, Inc.	37,197	5,138,766
Fiserv, Inc. (A)	34,612	4,023,299
FleetCor Technologies, Inc. (A)	5,249	1,611,023
Gartner, Inc. (A)	5,465	876,914

IDEX Corp.	2,031	330,525	Global Payments, Inc.	18,193	3,294,752
Illinois Tool Works, Inc.	7,880	1,373,720	IBM Corp.	53,716	7,222,116
Ingersoll-Rand PLC	6,467	847,888	Jack Henry & Associates, Inc.	4,669	709,408
PACCAR, Inc.	9,273	754,544	Leidos Holdings, Inc.	8,197	744,615
Parker-Hannifin Corp.	3,438	683,440	Mastercard, Inc., Class A	54,134	15,819,579
Pentair PLC	4,499	199,531	Paychex, Inc.	19,392	1,670,039
Snap-on, Inc.	1,478	237,160	PayPal Holdings, Inc. (A)	71,349	7,706,405
Stanley Black & Decker, Inc.	4,062	640,740	The Western Union Company	25,703	690,897
Wabtec Corp.	4,875	383,029	VeriSign, Inc. (A)	6,316	1,204,714
Xylem, Inc.	4,819	373,521	Visa, Inc., Class A	104,716	19,321,149
		11,368,301			87,033,206
<b>Professional services – 0.3%</b>			<b>Semiconductors and semiconductor equipment – 5.2%</b>		
Equifax, Inc.	6,232	870,236	Advanced Micro Devices, Inc. (A)	69,332	2,714,348
IHS Markit, Ltd. (A)	20,677	1,502,184	Analog Devices, Inc.	23,593	2,664,829
Nielsen Holdings PLC	18,336	358,469	Applied Materials, Inc.	58,999	3,416,042
Robert Half International, Inc.	6,060	352,692	Broadcom, Inc.	25,424	8,039,323
Verisk Analytics, Inc.	8,429	1,243,109	Intel Corp.	282,937	16,424,493
		4,326,690	KLA Corp.	10,171	1,666,620
<b>Road and rail – 0.5%</b>			Lam Research Corp.	9,231	2,463,108
CSX Corp.	21,899	1,566,654	Maxim Integrated Products, Inc.	17,326	981,864
			Microchip Technology, Inc.	15,203	1,437,292

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

#### U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Semiconductors and semiconductor equipment (continued)</b>		
Micron Technology, Inc. (A)	70,498	\$ 3,349,360
NVIDIA Corp.	38,896	8,430,319
Qorvo, Inc. (A)	7,523	783,972
QUALCOMM, Inc.	72,928	6,093,134
Skyworks Solutions, Inc.	10,966	1,077,958
Texas Instruments, Inc.	59,629	7,168,002
Xilinx, Inc.	16,133	1,496,820
		68,207,484
<b>Software – 6.6%</b>		
Adobe, Inc. (A)	23,132	7,160,048
ANSYS, Inc. (A)	4,008	1,020,798
Autodesk, Inc. (A)	10,464	1,892,938
Cadence Design Systems, Inc. (A)	13,350	937,838
Citrix Systems, Inc.	5,863	661,405
Fortinet, Inc. (A)	6,763	710,859
Intuit, Inc.	12,393	3,208,424
Microsoft Corp.	363,838	55,077,796

#### U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Containers and packaging (continued)</b>		
Packaging Corp. of America	4,743	\$ 530,742
Sealed Air Corp.	7,743	292,143
Westrock Company	12,895	520,055
		4,739,266
<b>Metals and mining – 0.2%</b>		
Freeport-McMoRan, Inc.	72,701	827,337
Newmont Goldcorp Corp.	41,083	1,577,587
Nucor Corp.	15,191	856,165
		3,261,089
		34,728,531
<b>Real estate – 3.4%</b>		
<b>Equity real estate investment trusts – 3.3%</b>		
Alexandria Real Estate Equities, Inc.	6,611	1,074,420
American Tower Corp.	25,805	5,523,044
Apartment Investment & Management Company, A Shares	8,679	466,670
AvalonBay Communities, Inc.	8,141	1,745,512
Boston Properties, Inc.	8,379	1,160,827

NortonLifeLock, Inc.	27,094	674,641	Crown Castle International Corp.	24,235	3,239,250
Oracle Corp.	104,911	5,889,704	Digital Realty Trust, Inc.	12,145	1,468,938
salesforce.com, Inc. (A)	41,790	6,807,173	Duke Realty Corp.	21,069	741,207
ServiceNow, Inc. (A)	8,933	2,528,396	Equinix, Inc.	4,944	2,802,506
Synopsys, Inc. (A)	7,161	1,009,987	Equity Residential	20,321	1,729,317
		87,580,007	Essex Property Trust, Inc.	3,831	1,195,962
<b>Technology hardware, storage and peripherals – 5.6%</b>			Extra Space Storage, Inc.	7,492	794,527
Apple, Inc.	254,840	68,105,980	Federal Realty Investment Trust	4,063	536,600
Hewlett Packard Enterprise Company	78,323	1,239,853	Healthpeak Properties, Inc.	28,628	998,545
HP, Inc.	88,901	1,785,132	Host Hotels & Resorts, Inc.	42,548	744,165
NetApp, Inc.	14,272	864,740	Iron Mountain, Inc.	16,736	537,560
Seagate Technology PLC	14,203	847,635	Kimco Realty Corp.	24,605	531,960
Western Digital Corp.	17,757	893,710	Mid-America Apartment Communities, Inc.	6,648	904,859
Xerox Holdings Corp.	11,417	444,464	Prologis, Inc.	36,790	3,368,125
		74,181,514	Public Storage	8,753	1,844,082
		340,086,478	Realty Income Corp.	18,550	1,421,487
<b>Materials – 2.6%</b>			Regency Centers Corp.	9,767	635,246
<b>Chemicals – 1.9%</b>			SBA Communications Corp.	6,593	1,559,047
A. Schulman, Inc. (A)(C)	1,188	514	Simon Property Group, Inc.	17,955	2,714,976
Air Products & Chemicals, Inc.	11,042	2,609,556	SL Green Realty Corp.	4,804	409,925
Albemarle Corp.	5,311	347,233	The Macerich Company	6,423	172,971
Celanese Corp.	6,200	778,534	UDR, Inc.	17,070	820,214
CF Industries Holdings, Inc.	10,940	505,537	Ventas, Inc.	21,719	1,266,435
Corteva, Inc.	37,525	976,401	Vornado Realty Trust	9,232	596,110
Dow, Inc.	37,241	1,987,552	Welltower, Inc.	23,623	1,997,797
DuPont de Nemours, Inc.	37,355	2,420,978	Weyerhaeuser Company	43,424	1,281,442
Eastman Chemical Company	6,865	538,010			44,283,726
Ecolab, Inc.	12,544	2,341,588	<b>Real estate management and development – 0.1%</b>		
FMC Corp.	6,536	640,267	CBRE Group, Inc., Class A (A)	19,605	1,117,877
International Flavors & Fragrances, Inc. (B)	5,350	755,581			45,401,603
Linde PLC	27,088	5,585,816	<b>Utilities – 3.9%</b>		
LyondellBasell Industries NV, Class A	12,935	1,197,005	<b>Electric utilities – 2.4%</b>		
PPG Industries, Inc.	11,840	1,525,466	Alliant Energy Corp.	14,381	762,193
The Mosaic Company	17,788	338,861	American Electric Power Company, Inc.	29,898	2,731,182
The Sherwin-Williams Company	4,114	2,398,997	Duke Energy Corp.	44,115	3,889,620
		24,947,896	Edison International	21,682	1,498,226
<b>Construction materials – 0.1%</b>			Energy Corp.	12,039	1,401,219
Martin Marietta Materials, Inc.	3,129	839,824	Evergy, Inc.	14,257	902,040
Vulcan Materials Company	6,629	940,456	Eversource Energy	19,593	1,619,166
		1,780,280	Exelon Corp.	58,827	2,611,919
<b>Containers and packaging – 0.4%</b>			FirstEnergy Corp.	32,695	1,559,225
Arcor PLC (B)	81,400	835,164	NextEra Energy, Inc.	29,593	6,919,435
Avery Dennison Corp.	4,219	550,031	Pinnacle West Capital Corp.	6,800	594,252
Ball Corp.	16,636	1,098,974	PPL Corp.	43,731	1,488,166
International Paper Company	19,684	912,157			

# John Hancock Funds II

Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Electric utilities (continued)</b>		
The Southern Company	63,286	\$ 3,923,099
Xcel Energy, Inc.	31,749	1,952,246
		31,851,988
<b>Gas utilities – 0.0%</b>		
Atmos Energy Corp.	7,157	765,513
<b>Independent power and renewable electricity producers</b>		
–		
<b>0.1%</b>		
AES Corp.	40,195	760,087
NRG Energy, Inc.	15,318	608,584
		1,368,671
<b>Multi-utilities – 1.3%</b>		
Ameren Corp.	14,883	1,106,253
CenterPoint Energy, Inc.	30,409	746,845
CMS Energy Corp.	17,183	1,053,318
Consolidated Edison, Inc.	20,111	1,747,445
Dominion Energy, Inc.	49,765	4,135,969
DTE Energy Company	11,099	1,386,709
NiSource, Inc.	22,605	597,902
Public Service Enterprise Group, Inc.	30,615	1,815,776
Sempra Energy	16,623	2,448,069
WEC Energy Group, Inc.	19,099	1,693,126
		16,731,412
<b>Water utilities – 0.1%</b>		
American Water Works Company, Inc.	10,938	1,323,826
		52,041,410
<b>TOTAL COMMON STOCKS (Cost \$1,151,354,606)</b>		<b>\$ 1,299,106,288</b>
<b>PREFERRED SECURITIES – 0.0%</b>		
<b>Communication services – 0.0%</b>		
<b>Diversified telecommunication services – 0.0%</b>		
GCI Liberty, Inc., 7.000%	361	9,451
<b>TOTAL PREFERRED SECURITIES (Cost \$2,897)</b>		<b>\$ 9,451</b>
<b>RIGHTS – 0.0%</b>		
DISH Network Corp. (Expiration Date: 12-9-19; Strike Price: \$33.52) (A)	720	490
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(C)(D)	13,589	3,503
<b>TOTAL RIGHTS (Cost \$4,020)</b>		<b>\$ 3,993</b>

**DERIVATIVES**

**FUTURES**

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
S&P 500 Index E-Mini Futures	171	Long	Dec 2019	\$25,211,697	\$26,864,100	\$1,652,403

U.S. Sector Rotation Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS – 1.8%</b>		
<b>U.S. Government Agency – 1.5%</b>		
Federal Home Loan Bank Discount Note 1.720%, 12/03/2019 *	\$ 20,000,000	\$ 19,999,122
<b>Short-term funds – 0.1%</b>		
John Hancock Collateral Trust, 1.7887% (E)(F)	133,813	1,338,969
<b>Repurchase agreement – 0.2%</b>		
Repurchase Agreement with State Street Corp. dated 11-29-19 at 0.550% to be repurchased at \$3,499,160 on 12-2-19, collateralized by \$3,480,000 U.S. Treasury Notes, 2.875% due 10-15-21 (maturity value of \$3,568,984)	\$ 3,499,000	3,499,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$24,836,071)</b>		<b>\$ 24,837,091</b>
<b>Total Investments (U.S. Sector Rotation Fund) (Cost \$1,176,197,594) – 99.8%</b>		<b>\$ 1,323,956,823</b>
<b>Other assets and liabilities, net – 0.2%</b>		<b>2,006,116</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 1,325,962,939</b>

Security Abbreviations and Legend

- (A) Non-income producing security.
  - (B) All or a portion of this security is on loan as of 11-30-19. The value of securities on loan amounted to \$1,309,175.
  - (C) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy.
  - (D) Strike price and/or expiration date not available.
  - (E) The rate shown is the annualized seven-day yield as of 11-30-19.
  - (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.

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

## John Hancock Funds II

### Portfolio of Investments — November 30, 2019 (unaudited) (showing percentage of total net assets)

The following funds had the following country composition as a percentage of net assets on 11-30-19:

<b>Capital Appreciation Fund</b>		<b>Mid Value Fund</b>	
United States	85.1%	United States	84.7%
France	4.3%	Canada	7.6%
China	3.4%	Ireland	2.5%
Canada	2.9%	Switzerland	1.0%
United Kingdom	1.7%	Other countries	4.2%
Germany	1.3%	<b>TOTAL</b>	<b>100.0%</b>
Netherlands	1.3%	<b>Science &amp; Technology Fund</b>	
<b>TOTAL</b>	<b>100.0%</b>	United States	81.2%
<b>Health Sciences Fund</b>		China	7.1%
United States	86.8%	South Korea	4.2%
Switzerland	3.1%	Germany	1.6%
Japan	2.1%	Russia	1.4%
United Kingdom	2.1%	Australia	1.1%
Denmark	1.1%	Other countries	3.4%
Netherlands	1.1%	<b>TOTAL</b>	<b>100.0%</b>
Other countries	3.7%	<b>Strategic Equity Allocation Fund</b>	
<b>TOTAL</b>	<b>100.0%</b>	United States	59.6%
<b>High Yield Fund</b>		Japan	8.4%
United States	73.9%	France	4.3%
Cayman Islands	6.2%	United Kingdom	3.3%
Canada	5.2%	Switzerland	3.0%
United Kingdom	3.8%	Canada	3.0%
France	2.3%	Germany	2.8%
Netherlands	2.0%	China	2.7%
Luxembourg	1.2%	South Korea	2.0%
United Arab Emirates	1.0%	Netherlands	1.3%
Other countries	4.4%	Other countries	9.6%
<b>TOTAL</b>	<b>100.0%</b>	<b>TOTAL</b>	<b>100.0%</b>

The following funds had the following sector composition as a percentage of net assets on 11-30-19:

**International Strategic Equity Allocation Fund**

Financials	20.6%
Industrials	12.2%
Consumer discretionary	11.5%
Information technology	10.0%
Consumer staples	9.2%
Health care	8.7%
Communication services	6.4%
Materials	6.2%
Energy	4.7%
Utilities	2.8%
Real estate	2.4%
Short-term investments and other	5.3%
<b>TOTAL</b>	<b>100.0%</b>

**International Value Fund**

Financials	19.0%
Energy	13.3%
Health care	11.9%
Communication services	9.2%
Information technology	7.4%
Materials	6.8%
Industrials	6.6%
Consumer staples	5.5%
Consumer discretionary	4.6%
Utilities	3.5%
Real estate	3.4%
Short-term investments and other	8.8%
<b>TOTAL</b>	<b>100.0%</b>

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# John Hancock Funds II

## Notes to Portfolio of Investments (unaudited)

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**Security valuation.** Investments are stated at value as of the scheduled close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the net asset value (NAV) may be determined as of the regularly scheduled close of the NYSE pursuant to the funds' Valuation Policies and Procedures.

In order to value the securities, the funds use the following valuation techniques: Equity securities, including exchange-traded or closed-end funds, are typically valued at the last sale price or official closing price on the exchange or principal market where the security trades. In the event there were no sales during the day or closing prices are not available, the securities are valued using the last available bid price. Investments in open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day. Debt obligations typically are valued based on the evaluated prices provided by an independent pricing vendor. Independent pricing vendors utilize matrix pricing which takes into account factors such as institutional-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, trading characteristics and other market data, as well as broker supplied prices. Options listed on an exchange are valued at the mid-price of the last quoted bid and ask prices from the primary exchange where the option trades. Unlisted options are generally valued using evaluated prices obtained from an independent pricing vendor. Futures contracts are typically valued at the last traded price on the exchange on which they trade. Foreign equity index futures that trade in the electronic trading market subsequent to the close of

regular trading may be valued at the last traded price in the electronic trading market as of 4:00 p.m. ET, or may be fair valued based on fair value adjustment factors provided by an independent pricing vendor in order to adjust for events that may occur between the close of foreign exchanges or markets and the close of the NYSE. Swaps are valued using evaluated prices obtained from an independent pricing vendor. Forward foreign currency contracts are valued at the prevailing forward rates which are based on foreign currency exchange spot rates and forward points supplied by an independent pricing vendor. Foreign securities and currencies are valued in U.S. dollars based on foreign currency exchange rates supplied by an independent pricing vendor.

In certain instances, the Pricing Committee may determine to value equity securities using prices obtained from another exchange or market if trading on the exchange or market on which prices are typically obtained did not open for trading as scheduled, or if trading closed earlier than scheduled, and trading occurred as normal on another exchange or market.

Other portfolio securities and assets, for which reliable market quotations are not readily available, are valued at fair value as determined in good faith by the funds' Pricing Committee following procedures established by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed. Trading in foreign securities may be completed before the scheduled daily close of trading on the NYSE. Significant events at the issuer or market level may affect the values of securities between the time when the valuation of the securities is generally determined and the close of the NYSE. If a significant event occurs, these securities may be fair valued, as determined in good faith by the funds' Pricing Committee, following procedures established by the Board of Trustees. The funds use fair value adjustment factors provided by an independent pricing vendor to value certain foreign securities in order to adjust for events that may occur between the close of foreign exchanges or markets and the close of the NYSE.

The funds use a three-tier hierarchy to prioritize the pricing assumptions, referred to as inputs, used in valuation techniques to measure fair value. Level 1 includes securities valued using quoted prices in active markets for identical securities, including registered investment companies. Level 2 includes securities valued using other significant observable inputs. Observable inputs may include quoted prices for similar securities, interest rates, prepayment speeds and credit risk. Prices for securities valued using these inputs are received from independent pricing vendors and brokers and are based on an evaluation of the inputs described. Level 3 includes securities valued using significant unobservable inputs when market prices are not readily available or reliable, including the funds' own assumptions in determining the fair value of investments. Factors used in determining value may include market or issuer specific events or trends, changes in interest rates and credit quality. The inputs or methodology used for valuing securities are not necessarily an indication of the risks associated with investing in those securities. Changes in valuation techniques and related inputs may result in transfers into or out of an assigned level within the disclosure hierarchy.

The following is a summary of the values by input classification of the funds' investments as of November 30, 2019, by major security category or type:

	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Asia Pacific Total Return Bond Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
U.S. Government and Agency obligations	\$9,337,441	—	\$9,337,441	—
Foreign government obligations	135,063,870	—	135,063,870	—
Corporate bonds	151,774,127	—	151,774,127	—
<b>Total investments in securities</b>	<b>\$296,175,438</b>	<b>—</b>	<b>\$296,175,438</b>	<b>—</b>
<b>Derivatives:</b>				
<b>Assets</b>				
Futures	\$11,790	\$11,790	—	—

	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Capital Appreciation Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				

<b>Common stocks</b>				
Communication services	\$235,339,743	\$235,339,743	—	—
Consumer discretionary	382,198,112	329,209,407	\$52,988,705	—
Consumer staples	73,953,823	73,953,823	—	—
Financials	36,296,607	36,296,607	—	—
Health care	185,051,465	185,051,465	—	—
Industrials	116,001,786	70,831,273	45,170,513	—
Information technology	727,976,440	705,551,184	22,425,256	—
Real estate	10,909,965	10,909,965	—	—
<b>Short-term investments</b>	<b>48,681,905</b>	<b>48,681,905</b>	<b>—</b>	<b>—</b>
<b>Total investments in securities</b>	<b>\$1,816,409,846</b>	<b>\$1,695,825,372</b>	<b>\$120,584,474</b>	<b>—</b>

## Capital Appreciation Value Fund

### Investments in securities:

#### Assets

##### Common stocks

Communication services	\$59,864,428	\$59,864,428	—	—
Consumer discretionary	81,887,583	81,887,583	—	—
Consumer staples	19,679,109	19,679,109	—	—
Energy	3,591,720	3,591,720	—	—
Financials	92,452,718	92,452,718	—	—
Health care	199,245,167	179,345,906	\$19,899,261	—
Industrials	134,119,136	134,119,136	—	—
Information technology	258,140,501	258,140,501	—	—
Real estate	9,716,962	9,716,962	—	—
Utilities	94,177,279	94,177,279	—	—

##### Preferred securities

Financials	28,065,863	28,065,863	—	—
Health care	25,650,617	25,650,617	—	—
Industrials	3,792,416	—	3,792,416	—
Utilities	33,606,205	33,606,205	—	—

##### Corporate bonds

	287,881,511	—	287,881,511	—
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##### Term loans

Communication services	5,026,648	—	5,026,648	—
Consumer staples	5,644,929	—	5,644,929	—
Financials	36,957,236	—	36,957,236	—
Health care	5,502,843	—	2,065,780	\$3,437,063
Industrials	3,736,735	—	3,736,735	—
Information technology	29,698,852	—	29,698,852	—
Materials	939,247	—	939,247	—

##### Short-term investments

	164,671,151	164,671,151	—	—
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<b>Total investments in securities</b>	<b>\$1,584,048,856</b>	<b>\$1,184,969,178</b>	<b>\$395,642,615</b>	<b>\$3,437,063</b>
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### Derivatives:

#### Liabilities

Written options	\$(15,726,136)	—	\$(15,726,136)	—
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## Core Bond Fund

### Investments in securities:

#### Assets

U.S. Government and Agency obligations	\$1,563,195,004	—	\$1,563,195,004	—
Foreign government obligations	17,732,651	—	17,732,651	—

Corporate bonds	756,751,790	—	756,751,790	—
Municipal bonds	13,439,214	—	13,439,214	—

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	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Core Bond Fund (continued)</b>				
Collateralized mortgage obligations	\$306,290,612	—	\$306,290,612	—
Asset backed securities	321,095,083	—	321,095,083	—
Short-term investments	106,653,259	\$106,653,259	—	—
<b>Total investments in securities</b>	<b>\$3,085,157,613</b>	<b>\$106,653,259</b>	<b>\$2,978,504,354</b>	<b>—</b>

#### Global Bond Fund

##### Investments in securities:

##### Assets

U.S. Government and Agency obligations	\$20,793,920	—	\$20,793,920	—
Foreign government obligations	10,099,230	—	10,099,230	—
Corporate bonds	19,804,626	—	19,804,626	—
Municipal bonds	586,170	—	586,170	—
Term loans	294,585	—	294,585	—
Collateralized mortgage obligations	8,117,766	—	8,117,766	—
Asset backed securities	1,154,128	—	1,154,128	—
Common stocks	2,747	\$2,747	—	—
Escrow shares	101,160	—	101,160	—
Purchased options	51,191	2,063	49,128	—
Short-term investments	600,000	—	600,000	—

<b>Total investments in securities</b>	<b>\$61,605,523</b>	<b>\$4,810</b>	<b>\$61,600,713</b>	<b>—</b>
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##### Liabilities

Sale commitments outstanding	\$(833,240)	—	\$(833,240)	—
Securities sold short	(768,802)	—	(768,802)	—

##### Derivatives:

##### Assets

Futures	20,910	\$20,910	—	—
Forward foreign currency contracts	159,552	—	159,552	—
Swap contracts	515,872	—	515,872	—

##### Liabilities

Futures	(100,705)	(100,705)	—	—
Forward foreign currency contracts	(176,242)	—	(176,242)	—
Written options	(61,833)	—	(61,833)	—
Swap contracts	(633,212)	—	(633,212)	—

#### Health Sciences Fund

##### Investments in securities:

##### Assets

##### Common stocks

Consumer discretionary	\$295,901	—	—	\$295,901
Health care	277,552,148	\$258,033,060	\$19,011,264	507,824

Industrials	1,234,065	1,234,065	—	—
<b>Preferred securities</b>				
Consumer discretionary	614,986	—	—	614,986
Health care	1,817,293	657,652	1,159,641	—
Information technology	852,177	—	—	852,177
<b>Rights</b>	92,136	92,136	—	—
<b>Short-term investments</b>	1,069,007	1,069,007	—	—
<b>Total investments in securities</b>	<b>\$283,527,713</b>	<b>\$261,085,920</b>	<b>\$20,170,905</b>	<b>\$2,270,888</b>

### High Yield Fund

#### Investments in securities:

##### Assets

Foreign government obligations	\$1,770,723	—	\$1,770,723	—
Corporate bonds	195,121,162	—	195,121,162	—

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	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>High Yield Fund (continued)</b>				
Convertible bonds	\$1,933,450	—	\$1,933,450	—
Term loans	16,821,748	—	16,821,748	—
Asset backed securities	10,012,833	—	10,012,833	—
Common stocks	2,137,203	\$1,999,631	—	\$137,572
Preferred securities	1,544,305	1,544,305	—	—
Rights	496	496	—	—
Escrow shares	42,512	—	—	42,512
Escrow certificates	1,134	—	—	1,134
Purchased options	30,778	—	30,778	—
Short-term investments	12,924,782	12,924,782	—	—
<b>Total investments in securities</b>	<b>\$242,341,126</b>	<b>\$16,469,214</b>	<b>\$225,690,694</b>	<b>\$181,218</b>
<b>Derivatives:</b>				
<b>Assets</b>				
Futures	\$7,167	\$7,167	—	—
Forward foreign currency contracts	42,612	—	\$42,612	—
<b>Liabilities</b>				
Futures	(13,445)	(13,445)	—	—
Forward foreign currency contracts	(1,366)	—	(1,366)	—

### International Strategic Equity Allocation Fund

#### Investments in securities:

##### Assets

##### Common stocks

Australia	\$29,138,344	—	\$29,138,344	—
Austria	2,819,563	—	2,819,563	—
Belgium	21,794,842	—	21,794,842	—
Brazil	7,800,078	\$7,800,078	—	—
Canada	121,204,587	121,204,587	—	—
Chile	1,529,887	1,289,402	240,485	—
China	110,290,640	37,134,542	73,153,527	\$2,571

Colombia	742,211	742,211	—	—
Czech Republic	546,759	—	546,759	—
Denmark	21,856,809	—	21,856,809	—
Finland	5,031,794	—	5,031,794	—
France	175,344,954	—	175,344,954	—
Germany	106,052,315	—	106,052,315	—
Hong Kong	25,573,109	199,999	25,372,258	852
Hungary	1,384,755	—	1,384,755	—
Indonesia	1,873,013	—	1,873,013	—
Ireland	9,768,121	624,281	9,143,840	—
Isle of Man	352,077	—	352,077	—
Israel	6,112,325	2,568,037	3,544,288	—
Italy	34,312,115	—	34,312,115	—
Japan	344,184,106	—	344,184,106	—
Luxembourg	4,378,763	—	4,378,763	—
Macau	335,290	—	335,290	—
Malaysia	1,957,849	—	1,957,849	—
Mexico	9,903,369	9,815,444	87,925	—
Netherlands	51,279,560	2,635,224	48,644,336	—
New Zealand	1,916,936	—	1,916,936	—
Norway	2,826,297	—	2,826,297	—
Peru	1,582,835	1,582,835	—	—
Philippines	3,905,195	—	3,904,914	281
Poland	2,804,961	—	2,804,961	—
Portugal	1,814,910	—	1,814,910	—
Romania	265,446	—	265,446	—
Russia	136,027	—	136,027	—

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	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>International Strategic Equity Allocation Fund (continued)</b>				
Singapore	\$14,645,582	—	\$14,645,582	—
South Africa	21,320,958	—	21,320,958	—
South Korea	77,479,537	—	77,479,537	—
Spain	35,891,516	—	35,891,516	—
Sweden	33,181,283	—	33,181,283	—
Switzerland	117,906,019	—	117,906,019	—
Taiwan	49,361,272	—	49,361,272	—
Thailand	8,342,068	—	8,342,068	—
Turkey	1,095,245	—	1,095,245	—
United Arab Emirates	168,916	—	168,916	—
United Kingdom	118,609,212	\$950,515	117,658,697	—
United States	1,186,516	754,648	431,868	—
<b>Preferred securities</b>				
Brazil	3,950,049	3,950,049	—	—
Chile	121,149	121,149	—	—
Colombia	428,169	428,169	—	—
Germany	7,231,228	—	7,231,228	—

South Korea	4,348,335	—	4,348,335	—
United Kingdom	6,941	—	6,941	—
<b>Exchange-traded funds</b>	<b>44,556,005</b>	44,556,005	—	—
<b>Warrants</b>	<b>115</b>	115	—	—
<b>Rights</b>	<b>50</b>	50	—	—
<b>Short-term investments</b>	<b>82,189,481</b>	—	82,189,481	—
<b>Total investments in securities</b>	<b>\$1,732,839,488</b>	<b>\$236,357,340</b>	<b>\$1,496,478,444</b>	<b>\$3,704</b>
<b>Derivatives:</b>				
<b>Assets</b>				
Futures	\$1,139,684	\$1,139,684	—	—
<b>Liabilities</b>				
Futures	(137,881)	(137,881)	—	—

#### International Value Fund

##### Investments in securities:

##### Assets

##### Common stocks

Canada	\$9,831,086	\$9,831,086	—	—
China	9,504,453	3,513,229	\$5,991,224	—
Denmark	2,770,115	—	2,770,115	—
France	24,078,221	—	24,078,221	—
Germany	15,551,988	—	15,551,988	—
Hong Kong	15,552,390	—	15,552,390	—
Ireland	2,720,198	—	2,720,198	—
Israel	518,395	518,395	—	—
Italy	4,930,778	—	4,930,778	—
Japan	40,452,265	—	40,452,265	—
Luxembourg	5,078,542	—	5,078,542	—
Netherlands	21,962,698	4,808,128	17,154,570	—
Norway	3,816,545	—	3,816,545	—
Portugal	2,961,888	—	2,961,888	—
Singapore	2,884,315	—	2,884,315	—
South Korea	26,412,429	7,434,643	18,977,786	—
Switzerland	6,142,959	—	6,142,959	—
Taiwan	5,773,674	—	5,773,674	—
Thailand	1,542,909	—	1,542,909	—
United Kingdom	28,683,528	—	28,683,528	—
<b>Short-term investments</b>	<b>16,584,178</b>	1,184,178	15,400,000	—
<b>Total investments in securities</b>	<b>\$247,753,554</b>	<b>\$27,289,659</b>	<b>\$220,463,895</b>	<b>—</b>

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	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Mid Cap Stock Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
<b>Common stocks</b>				

Communication services	\$125,386,065	\$125,386,065	—	—
Consumer discretionary	327,598,417	326,663,093	—	\$935,324
Consumer staples	27,669,982	27,669,982	—	—
Financials	18,542,860	18,542,860	—	—
Health care	332,361,747	312,228,926	\$20,132,821	—
Industrials	179,247,199	179,247,199	—	—
Information technology	515,133,062	508,278,862	—	6,854,200
<b>Preferred securities</b>	<b>43,266,907</b>	—	—	43,266,907
<b>Short-term investments</b>	<b>130,162,488</b>	71,162,488	59,000,000	—
<b>Total investments in securities</b>	<b>\$1,699,368,727</b>	<b>\$1,569,179,475</b>	<b>\$79,132,821</b>	<b>\$51,056,431</b>

#### Mid Value Fund

##### Investments in securities:

##### Assets

##### Common stocks

Communication services	\$52,104,020	\$52,104,020	—	—
Consumer discretionary	60,074,376	60,074,376	—	—
Consumer staples	98,092,263	87,595,584	\$10,496,679	—
Energy	137,977,612	133,538,461	4,439,151	—
Financials	245,809,572	234,488,191	11,321,381	—
Health care	194,885,563	189,737,119	5,148,444	—
Industrials	118,224,947	107,479,037	10,745,910	—
Information technology	44,528,883	44,528,883	—	—
Materials	123,520,376	117,441,866	6,078,510	—
Real estate	79,506,243	79,506,243	—	—
Utilities	41,180,358	41,180,358	—	—
<b>Preferred securities</b>	<b>3,160,625</b>	3,160,625	—	—
<b>Rights</b>	<b>4,634</b>	4,634	—	—
<b>Short-term investments</b>	<b>124,797,758</b>	124,797,758	—	—
<b>Total investments in securities</b>	<b>\$1,323,867,230</b>	<b>\$1,275,637,155</b>	<b>\$48,230,075</b>	<b>—</b>

#### Multi-Index Lifestyle Aggressive Portfolio

##### Investments in securities:

##### Assets

Affiliated investment companies	\$240,256,921	\$240,256,921	—	—
Unaffiliated investment companies	121,159,520	121,159,520	—	—
Short-term investments	5,198,006	5,198,006	—	—
<b>Total investments in securities</b>	<b>\$366,614,447</b>	<b>\$366,614,447</b>	<b>—</b>	<b>—</b>

#### Multi-Index Lifestyle Balanced Portfolio

##### Investments in securities:

##### Assets

Affiliated investment companies	\$359,372,692	\$359,372,692	—	—
Unaffiliated investment companies	573,643,018	573,643,018	—	—
Short-term investments	25,853,002	25,853,002	—	—
<b>Total investments in securities</b>	<b>\$958,868,712</b>	<b>\$958,868,712</b>	<b>—</b>	<b>—</b>

#### Multi-Index Lifestyle Conservative Portfolio

##### Investments in securities:

##### Assets

	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Multi-Index Lifestyle Conservative Portfolio (continued)</b>				
Affiliated investment companies	\$20,432,925	\$20,432,925	—	—
Unaffiliated investment companies	170,263,830	170,263,830	—	—
Short-term investments	7,603,491	7,603,491	—	—
<b>Total investments in securities</b>	<b>\$198,300,246</b>	<b>\$198,300,246</b>	<b>—</b>	<b>—</b>
<b>Multi-Index Lifestyle Growth Portfolio</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
Affiliated investment companies	\$461,554,363	\$461,554,363	—	—
Unaffiliated investment companies	413,617,320	413,617,320	—	—
Short-term investments	16,441,358	16,441,358	—	—
<b>Total investments in securities</b>	<b>\$891,613,041</b>	<b>\$891,613,041</b>	<b>—</b>	<b>—</b>
<b>Multi-Index Lifestyle Moderate Portfolio</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
Affiliated investment companies	\$69,623,497	\$69,623,497	—	—
Unaffiliated investment companies	203,981,332	203,981,332	—	—
Short-term investments	9,491,374	9,491,374	—	—
<b>Total investments in securities</b>	<b>\$283,096,203</b>	<b>\$283,096,203</b>	<b>—</b>	<b>—</b>
<b>Real Estate Securities Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
Common stocks	\$434,183,989	\$434,183,989	—	—
Short-term investments	3,072,614	3,072,614	—	—
<b>Total investments in securities</b>	<b>\$437,256,603</b>	<b>\$437,256,603</b>	<b>—</b>	<b>—</b>
<b>Science &amp; Technology Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
<b>Common stocks</b>				
Communication services	\$60,650,139	\$52,904,778	\$7,745,361	—
Consumer discretionary	37,558,745	30,225,661	7,333,084	—
Health care	3,984,256	3,984,256	—	—
Industrials	550,768	550,768	—	—
Information technology	163,470,910	153,818,266	9,652,644	—
Real estate	133,210	133,210	—	—
<b>Preferred securities</b>	<b>2,713,122</b>	<b>—</b>	<b>—</b>	<b>\$2,713,122</b>
<b>Short-term investments</b>	<b>28,956,639</b>	<b>23,731,639</b>	<b>5,225,000</b>	<b>—</b>
<b>Total investments in securities</b>	<b>\$298,017,789</b>	<b>\$265,348,578</b>	<b>\$29,956,089</b>	<b>\$2,713,122</b>
<b>Strategic Equity Allocation Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				

**Common stocks**

Communication services	\$643,406,155	\$459,555,269	\$183,849,124	\$1,762
Consumer discretionary	825,709,773	512,490,000	313,219,297	476
Consumer staples	612,653,131	342,732,238	269,916,772	4,121
Energy	237,103,224	129,976,130	107,127,094	—
Financials	1,067,538,101	598,460,142	469,075,133	2,826
Health care	901,515,250	626,597,033	274,908,880	9,337
Industrials	818,272,029	437,842,446	380,429,583	—

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	Total value at 11-30-19	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Strategic Equity Allocation Fund (continued)</b>				
Information technology	\$1,380,869,110	\$1,095,300,477	\$285,568,633	—
Materials	332,357,255	166,429,971	165,925,892	\$1,392
Real estate	284,170,492	205,150,129	79,020,363	—
Utilities	275,713,883	187,090,418	88,453,389	170,076
<b>Preferred securities</b>				
Communication services	343,496	343,496	—	—
Consumer discretionary	9,668,531	201,561	9,466,970	—
Consumer staples	3,837,553	209,268	3,628,285	—
Energy	1,554,688	1,554,688	—	—
Financials	5,381,913	5,381,913	—	—
Health care	1,263,857	—	1,263,857	—
Industrials	13,150	—	13,150	—
Information technology	6,493,730	—	6,493,730	—
Materials	1,232,571	477,883	754,688	—
Utilities	255,035	255,035	—	—
<b>Exchange-traded funds</b>	<b>83,059,982</b>	<b>83,059,982</b>	<b>—</b>	<b>—</b>
<b>Rights</b>	<b>11,172</b>	<b>1,491</b>	<b>—</b>	<b>9,681</b>
<b>Warrants</b>	<b>213</b>	<b>213</b>	<b>—</b>	<b>—</b>
<b>Short-term investments</b>	<b>241,578,937</b>	<b>94,589,167</b>	<b>146,989,770</b>	<b>—</b>
<b>Total investments in securities</b>	<b>\$7,734,003,231</b>	<b>\$4,947,698,950</b>	<b>\$2,786,104,610</b>	<b>\$199,671</b>
<b>Derivatives:</b>				
<b>Assets</b>				
Futures	\$4,522,638	\$4,522,638	—	—
<b>Liabilities</b>				
Futures	(156,643)	(156,643)	—	—
<b>U.S. High Yield Bond Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
Corporate bonds	\$222,551,988	—	\$222,551,988	—
Convertible bonds	1,350,684	—	1,350,684	—
Term loans	10,090,781	—	10,090,781	—
Rights	189,547	\$325	189,222	—
Escrow certificates	19,800	—	—	\$19,800
Short-term investments	30,637,472	30,637,472	—	—

<b>Total investments in securities</b>	<b>\$264,840,272</b>	<b>\$30,637,797</b>	<b>\$234,182,675</b>	<b>\$19,800</b>
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### U.S. Sector Rotation Fund

#### Investments in securities:

<b>Assets</b>				
<b>Common stocks</b>				
Communication services	\$148,110,966	\$148,110,277	—	\$689
Consumer discretionary	126,443,129	126,437,349	\$5,780	—
Consumer staples	106,078,341	106,078,341	—	—
Energy	24,405,040	24,405,040	—	—
Financials	133,260,536	133,259,976	—	560
Health care	186,585,521	186,585,233	—	288
Industrials	101,964,733	101,964,733	—	—
Information technology	340,086,478	340,086,478	—	—
Materials	34,728,531	34,728,017	—	514
Real estate	45,401,603	45,401,603	—	—
Utilities	52,041,410	52,041,410	—	—
<b>Preferred securities</b>	<b>9,451</b>	<b>9,451</b>	<b>—</b>	<b>—</b>
<b>Rights</b>	<b>3,993</b>	<b>490</b>	<b>—</b>	<b>3,503</b>
<b>Short-term investments</b>	<b>24,837,091</b>	<b>1,338,969</b>	<b>23,498,122</b>	<b>—</b>
<b>Total investments in securities</b>	<b>\$1,323,956,823</b>	<b>\$1,300,447,367</b>	<b>\$23,503,902</b>	<b>\$5,554</b>

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	<b>Total value at 11-30-19</b>	<b>Level 1 quoted price</b>	<b>Level 2 significant observable inputs</b>	<b>Level 3 significant unobservable inputs</b>
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### U.S. Sector Rotation Fund (continued)

#### Derivatives:

<b>Assets</b>				
Futures	\$1,652,403	\$1,652,403	—	—

The following is a reconciliation of Level 3 assets for which significant unobservable inputs were used to determine fair value. Transfers into or out of Level 3, if any, represent the beginning value of any security or instrument where a change in the level has occurred from the beginning to the end of the period and in all cases were transferred into or out of Level 2. Securities were transferred into Level 3 because of a lack of observable market data which resulted from an absence of market activity for these securities. In addition, securities were transferred from Level 3 since observable market data became available due to the increased market activity of these securities.

<b>Mid Cap Stock Fund</b>	<b>Common stocks</b>	<b>Preferred securities</b>	<b>Total</b>
Balance as of 8-31-19	\$7,241,730	\$56,410,566	\$63,652,296
Realized gain (loss)	—	—	—
Change in unrealized appreciation (depreciation)	547,794	(13,143,659)	(12,595,865)
Purchases	—	—	—
Sales	—	—	—
Transfers into Level 3	—	—	—
Transfers out of Level 3	—	—	—
<b>Balance as of 11-30-19</b>	<b>\$7,789,524</b>	<b>\$43,266,907</b>	<b>\$51,056,431</b>
Change in unrealized at period end <sup>1</sup>	\$547,794	\$(13,143,659)	\$(12,595,865)

<sup>1</sup> Change in unrealized appreciation (depreciation) attributable to Level 3 securities held at period end.

The valuation techniques and significant amounts of unobservable inputs used in the fair value measurement of the funds' Level 3 securities are outlined in the table below.

Mid Cap Stock Fund	Fair Value at 11-30-19	Valuation technique	Significant unobservable inputs	Input/Range*
Common stocks	\$ 7,750,625	Market Approach	EV to revenue multiple	3.42x - 3.96x (weighted average 3.49x)
			Discount	12.5% - 17.5% (weighted average 16.9%)
	38,899	Market Approach	Expected future value	\$0.10
	<b>\$ 7,789,524</b>		Discount	50.0%
Preferred securities	\$ 5,046,284	Market Approach	Pending transaction value	12.60x - 19.19x
			Probability weightings	30.0% - 70.0%
	24,557,617	Market Approach	EV to revenue multiple	0.97x - 3.96x (weighted average 1.46x)
			Discount	12.5% - 17.5% (weighted average 17.1%)
	13,578,244	Market Approach	EV to revenue multiple	3.11x - 5.67x (weighted average 3.85x)
	Discount		25.0%	
		OPM - Volatility	20.0% - 45.0% (weighted average 34.8%)	
	84,762	Market Approach	Expected future value	\$0.36
	<b>\$43,266,907</b>		Discount	55.0%
<b>Total</b>	<b>\$51,056,431</b>			

\* A weighted average is an average in which each input in the grouping is assigned a weighting before summing to a single average value. The weighting of the input is determined based on a security's fair value as a percentage of the total fair value.

A change to unobservable inputs of a fund's Level 3 securities as of November 30, 2019, could have resulted in changes to the fair value measurement, as follows:

Significant Unobservable Input	Impact to Valuation if input had increased	Impact to Valuation if input had decreased
Discount	Decrease	Increase
Enterprise value ("EV") to revenue multiple	Increase	Decrease
Expected future value	Increase	Decrease
Options pricing method (OPM) - Volatility	Variable	Variable
Pending transaction value	Increase	Decrease
Prior/recent transactions	Increase	Decrease
Probability weightings	Variable	Variable

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**Investment in affiliated underlying funds.** John Hancock Multi-Index Lifestyle Portfolios invest primarily in affiliated underlying funds that are managed by the Advisor and its affiliates. The funds do not invest in the affiliated underlying funds for the purpose of exercising management or control; however, the funds' investment may represent a significant portion of each underlying funds' net assets.

Information regarding the funds' fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the funds, if any, is as follows:

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
<b>Capital Appreciation Fund</b>									

John Hancock Collateral Trust	4,501,877	\$25,457,039	\$95,281,340	\$(75,686,210)	\$(3,111)	\$(1,921)	\$112,075	—	\$45,047,137
<b>Capital Appreciation Value Fund</b>									
John Hancock Collateral Trust	1,046,334	—	\$15,592,764	\$(5,122,053)	\$(222)	\$(557)	\$6,788	—	\$10,469,932
<b>Core Bond Fund</b>									
John Hancock Collateral Trust	56,717	\$1,019,314	\$1,647,242	\$(2,099,075)	\$118	\$(68)	\$1,176	—	\$567,531
<b>High Yield Fund</b>									
John Hancock Collateral Trust	724,324	\$877,204	\$10,893,971	\$(4,522,758)	\$(111)	\$(500)	\$9,809	—	\$7,247,806
<b>International Value Fund</b>									
John Hancock Collateral Trust	118,343	\$937,826	\$18,239,239	\$(17,992,801)	\$(7)	\$(79)	\$7,618	—	\$1,184,178
<b>Mid Cap Stock Fund</b>									
John Hancock Collateral Trust	7,111,768	\$26,551,791	\$176,087,397	\$(131,474,879)	\$(539)	\$(1,282)	\$169,023	—	\$71,162,488
<b>Mid Value Fund</b>									
John Hancock Collateral Trust	4,832,123	\$10,825,459	\$91,865,798	\$(54,336,796)	\$(315)	\$(2,478)	\$33,488	—	\$48,351,668
<b>Multi-Index Lifestyle Aggressive Portfolio</b>									
John Hancock Collateral Trust	510,043	—	\$35,275,450	\$(30,171,805)	\$(5)	—	\$6,040	—	\$5,103,640
Strategic Equity Allocation	20,054,835	\$226,266,576	4,873,762	(7,947,348)	(1,432,431)	\$18,496,362	—	—	240,256,921
					<b>\$(1,432,436)</b>	<b>\$18,496,362</b>	<b>\$6,040</b>	<b>—</b>	<b>\$245,360,561</b>
<b>Multi-Index Lifestyle Balanced Portfolio</b>									
John Hancock Collateral Trust	2,494,563	\$53,581,782	\$129,606,545	\$(158,226,285)	\$(522)	\$(171)	\$80,592	—	\$24,961,349
Strategic Equity Allocation	29,997,721	343,540,970	11,483,448	(21,430,665)	(3,222,239)	29,001,178	—	—	359,372,692
					<b>\$(3,222,761)</b>	<b>\$29,001,007</b>	<b>\$80,592</b>	<b>—</b>	<b>\$384,334,041</b>
<b>Multi-Index Lifestyle Conservative Portfolio</b>									
John Hancock Collateral Trust	734,076	\$12,589,826	\$53,115,986	\$(58,359,200)	\$(930)	\$(302)	\$29,238	—	\$7,345,380
Strategic Equity Allocation	1,705,586	20,951,644	1,391,948	(3,408,990)	(441,982)	1,940,305	—	—	20,432,925
					<b>\$(442,912)</b>	<b>\$1,940,003</b>	<b>\$29,238</b>	<b>—</b>	<b>\$27,778,305</b>
<b>Multi-Index Lifestyle Growth Portfolio</b>									

John Hancock Collateral Trust	1,642,996	\$16,547,429	\$109,367,370	\$(109,478,160)	\$3,912	\$(239)	\$55,963	—	\$16,440,312
Strategic Equity Allocation	38,527,075	434,224,242	14,782,462	(20,187,528)	(3,862,548)	36,597,735	—	—	461,554,363
					<b>\$(3,858,636)</b>	<b>\$36,597,496</b>	<b>\$55,963</b>	<b>—</b>	<b>\$477,994,675</b>
<b>Multi-Index Lifestyle Moderate Portfolio</b>									
John Hancock Collateral Trust	914,794	\$12,169,739	\$95,928,744	\$(98,944,220)	\$(428)	\$(132)	\$32,024	—	\$9,153,703
Strategic Equity Allocation	5,811,644	66,838,092	2,926,132	(5,134,154)	(796,548)	5,789,975	—	—	69,623,497
					<b>\$(796,976)</b>	<b>\$5,789,843</b>	<b>\$32,024</b>	<b>—</b>	<b>\$78,777,200</b>
<b>Real Estate Securities Fund</b>									

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Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
John Hancock Collateral Trust	19,128	—	\$15,648,500	\$(15,457,038)	\$(62)	—	\$896	—	\$191,400
<b>Science &amp; Technology Fund</b>									
John Hancock Collateral Trust	820,577	\$9,739,733	\$31,180,779	\$(32,709,307)	\$(239)	\$(28)	\$27,419	—	\$8,210,938
<b>Strategic Equity Allocation Fund</b>									
John Hancock Collateral Trust	9,452,961	\$80,031,817	\$281,300,681	\$(266,738,562)	\$(1,604)	\$(3,165)	\$560,750	—	\$94,589,167
<b>U.S. High Yield Bond Fund</b>									
John Hancock Collateral Trust	1,968,026	\$12,857,869	\$23,393,991	\$(16,557,558)	\$(453)	\$(1,195)	\$23,931	—	\$19,692,654
<b>U.S. Sector Rotation Fund</b>									
John Hancock Collateral Trust	133,813	\$4,141,717	\$6,719,439	\$(9,521,873)	\$9	\$(323)	\$34,228	—	\$1,338,969

**Direct placement securities.** The funds may hold private placement securities which are restricted as to resale and the funds have limited rights to registration under the Securities Act of 1933. Disposal may involve time-consuming negotiations and expenses, and prompt sale at an acceptable price may be difficult to achieve. The following table summarizes the direct placement securities held at November 30, 2019:

Issuer, Description	Original acquisition date	Acquisition cost	Beginning share amount	Shares purchased	Shares sold	Ending share amount	Value as a percentage of net assets	Ending value
<b>Health Sciences Fund</b>								
Acerta Pharma BV, Class B	2-8-16	\$146,475	4,892,850	—	—	4,892,850	0.2%	\$451,610
Doximity, Inc.	4-10-14	307,268	63,738	—	—	63,738	0.3%	852,177

JAND, Inc., Class A	4-23-15	194,538	16,938	—	—	16,938	0.1%	275,412
JAND, Inc., Series D	4-23-15	434,397	37,822	—	—	37,822	0.2%	614,986
								<b>\$2,194,185</b>
<b>High Yield Fund</b>								
New Cotai, Inc., Class B	4-12-13	—	11	—	—	11	0.0%	—
<b>Mid Cap Stock Fund</b>								
Coupang LLC	11-20-14	\$7,607,320	2,300,670	—	—	2,300,670	0.9%	\$13,680,934
DraftKings, Inc.	12-4-14	3,666,693	2,294,714	—	—	2,294,714	0.4%	6,815,301
Essence Group Holdings Corp.	5-1-14	5,083,384	2,958,957	—	—	2,958,957	0.5%	8,788,102
JAND, Inc., Class A	4-23-15	635,744	57,523	—	—	57,523	0.1%	935,324
JAND, Inc., Series D	4-23-15	1,419,614	128,449	—	—	128,449	0.1%	2,088,581
Lookout, Inc., Series F	7-31-14	4,276,874	392,767	—	—	392,767	0.2%	2,568,696
MarkLogic Corp., Series F	4-27-15	6,431,120	580,011	—	—	580,011	0.4%	5,979,913
The Honest Company, Inc., Series C	8-20-14	3,966,620	142,030	—	—	142,030	0.3%	4,544,960
The Honest Company, Inc., Series D	8-3-15	490,560	12,795	—	—	12,795	0.0%*	484,675
The We Company, Inc., Series D1	12-8-14	3,335,927	184,328	—	—	184,328	0.2%	2,687,502
The We Company, Inc., Series D2	12-8-14	3,472,011	161,782	—	—	161,782	0.1%	2,358,782
								<b>\$50,932,770</b>
<b>Science &amp; Technology Fund</b>								
Airbnb, Inc., Series E	7-14-15	\$1,526,562	16,398	—	—	16,398	0.6%	\$1,857,565
DiDi Chuxing, Inc.	10-19-15	460,705	16,798	—	—	16,798	0.3%	855,557
								<b>\$2,713,122</b>

\* Less than 0.05%.

For additional information on the funds' significant accounting policies and risks, please refer to the funds' most recent semiannual or annual shareholder report and prospectus.