

Index

Page numbers in **bold** refer to content in tables; page numbers in *italics* refer to content in figures and maps.

- absolutism, 45
 accounting systems, 202
 Africa, 711
 Aglen, Francis, 263
 agriculture, 87–8. *See also* Great Famine (1958–1961)
 collectivization, 566, 567, 574–7, 583–4, 586–8, 681–2, 798–9
 farm size and productivities, 103
 freight transportation, 475–6
 land institutions, distribution, and credit, 115–20, **118**, **121**
 long-term output trends, 88–99, 89, 91, 92, 93, 94
 models of, 99–107, 105, 106
 new elements (Qing era to 1949), 107–15, 110, 116
 pre-1979 living standards, 599–601, **600**, 633–4, **634**
 Qing-era land reclamation, 51–4
 Reform Era, 725–6, 740–4, 745–6, 803
 rural finance (1930s–1940s), 298–307, **301**, **302**, **303**, **305**, **306**
 sideline production, 104–7, 106
 Almond, Douglas, 679
 American Silver Purchase Act (1934), 238, 298
 Anhua, Hunan, 69, 70
 Anhui province, 629, 631, 803
 annual budget appropriations, 190
 anti-Japanese base areas, 159, 163
 Anti-Rightist campaign, 550–1, 580
 apprenticeship, 503–4, 513
 arsenal industry, 127, 171–3
 Asian Financial Crisis (1997), 767
 Australia, 716, 717
 authoritarian control, 775, 776, 779, 781
 authoritarian hierarchy, 777, 779
 authoritarian politics, 49, 274, 789
 authoritarian rule, 43, 228, 264, 785, 789, 828
 authoritarian system, 44, 532, 825, 828.
 See also regionally decentralized authoritarianism (RDA)
 aviation, 487–8
 Bai, Ying, 393, 519, 681–2
 Balazs, Étienne, 5
 Bandung Conference (1955), 708–11
 Bank of China (BoC), 220–2, 223, 226–8, 272, 292, 297–8, 312
 Bank of Communications (BoCom), 215, 220–1, 222, 223, 226–8, 297–8, 312
 Bank of the Great Qing, 215
 banks, 281, **282**, **283**, 283, 284–6, **285**. *See also* native banks (cash shops)
 apprenticeships, 504
 banker networks, 317–19, **318**
 commerce and industry finance, 311–12
 competition with the nationalist state, 226–8, 296–8
 co-operation with the nationalist state, 228–32
 depositing money, 235, 320, 568
 evolution of the money system, 216–20, 217, 218
 geography of, 287–9, 289, 290, 292–4, 358, 378
 government bonds, 277
 issuing of banknotes, 44, 210, 215, 219, 220–4, 221, 226–7
 Reform Era, 766, 770, 805, 808

Index

- banks (cont.)
 relation with university development,
 396, **397**
 rise of Chinese institutions, 40–1
 social status of, 317–19, **318**
 state's takeover of, 222–4, 568
 statistical data, 21–2, 22, 24
 treaty ports system, 373–8, 374, 375, 377,
379, 380
- Bao Shichen 包世臣, 59, 75, 84
 Baodi, Hebei, 145
 Baoshan Steel, 731, 740
 barefoot doctors, 626
 Bastid, Marianne, 251
 Baxian, Sichuan, 336
 Beijing, 41, 43, 47, 85, 86, 88, 91, 96, 110, 122, 166,
 182, 183, 207, 224, 226, 227, 232, 233, 234,
239, 242, 243, 248, 251, 252, 253, 254, 255,
 256, 258, 260, 261, 262, 263, 264, 265, 266,
 270, 271, 272, 273, 275, 277, 280, 281, 284,
 286, 292, 294, 295, 297, 298, 299, 307, 309,
 312, 313, 316, 317, 320, 322, 323, 328, 333, 336,
 341, 356, 361, 371, 401, 426, 460, 468, 469,
 471, 489, 490, 492, 495, 500, 501, 504, 506,
 509, 513, **517**, 524, 526, 528, 537, 544, 557,
 564, 580, 581, **585**, **611**, **614**, **617**, 620, 624,
 628, 629, **630**, 630, 631, 632, **634**, 636, 637,
 638, 641, 658, 665, 667, 675, 689, 691, 692,
 693, 701, 702, 707, 708, 709, 710, 711, 712,
 715, 716, 721, 726, 727, 729, 730, 732, 734,
 735, 737, 738, 740, 741, 743, 751, 759, 760,
 762, 763, 774, 776, 783, 784, 794, 799, 800,
 803, 807, 808, 809, 814, 815, 817
- banks, 292–4
 currency use, 225, 226–7
 education, 514, 518
 family firms, 327
 infrastructure, 180, 476, 485, 487
 living standards, 64, 95, 96, 614
 Olympic Games (2008), 814
 Tangshan earthquake (1976), 595
 warlord era finance, 261–6, **262**
- Beijing Stock Exchange, 313
 Beijing–Hankou railroad, 474, 476, 481, 483
 Beiyang Xuetaang, 130
 Belt and Road initiative, 719, 816, 817
 Bergère, Marie-Claire, 144
 Berlin, Isaiah, 639
 Bernstein, Thomas P., 668
 bimetalism, 208–9
 birth control, 65, 727
 birth rates, 63, 65
 body shares, 337–8
- Bolshevism, 541–3, 546–7
 bondholders, 41, 230
 bonds, 44, 229–32, 255, 263, 264, 272
 stock markets, 313–16, **314**, **315**
 wartime, 277
- Boserupian framework, 100–3, 101
 bottom-up development, 46, 240, 741, 776, 809
 Boxer Rebellion (1899–1901), 130, 244, 255,
 259–60
- Boyd Company, 128
 Brandt, Loren, 119, 680
 Bretton Woods Agreement (1944), 160, 688
- Britain
 business organization, 345
 consumption, 622
 industrialization, 16, 354
 infrastructure, 467
 investment, 439, 440
 loans, 275
 trade, 20, 72–3, 422–5, 435, 701
 treaty ports system, 360–1, 367
- British American Tobacco Company, 112,
 131, 477
- British East India Company, 423
 Broadberry, Stephen, 622
 Brown, Shannon, 779
 Buck, John, 88, 102, 120, 615
 Burgess, John, 514
 bus transportation, 486
 business organization, 324–5
 early twentieth-century developments,
 348–51
 family firms, 325–32
 private ordering, 332–42
 Western influence, 342–8
- Cai Yuanpei 蔡元培, 525
 California School, 27, 28, 87, 100
 Campbell, Cameron, 65
 Canada, 716, 717
 Canton System, 422, 427
 Cao Shuji 曹樹基, 648, 650
 Cao Yu 曹禺, 317
 capital flow, 235, 236, 439, **440**
 capital markets, 448, 450
 capitalism, 7, 27–8
 censorship, 778
 central account offices, 350–1
 Central Air Transport Corporation
 (CATC), 487
 Central Bank (PBoC), 220, 222, 223–4, 231, 272,
 297, 568, 569, 578, 580, 762, 805
 Central China Cocoon and Silk Company, 158

Index

- Central China Promotion Company, 158
 central control, 32, 258, 259, 274, 581, 784, 807–15
 centralization of state-controlled fiscal and financial resources, 825
 centralized authoritarian control, 781
 central-level enterprise groups, 784
 centrally supervised enterprise groups, 814
 centrally planned command system. *See* planned (command) economy
 ceramics, 132
 Ch'en Huan-chang 陈焕章, 1
 Ch'ien, Tuan-Sheng, 514
 Chairman Mao. *See* Mao Zedong 毛泽东
 Chan, Wellington, 344, 348
 Chang Chung-li 张仲礼, 499, 507
 Chang, Gene Hsin, 675
 Chang Jung, 648
 Chang Yu-fa 张玉法, 357, 367–9, 385
 Changchun, Jilin, 294
 Changshu, Jiangsu, 146
 Changzhou, Jiangsu, 59
 Chao Kang 赵冈, 92, 100, 101, 119
 Chartered Bank, 40
 Chefoo Convention (1876), 258
 Chen Duxiu 陈独秀, 544
 Chen Hansheng, 5
 Chen Hongmou 陈宏谋, 52, 54
 Chen Jitang 陈济棠, 193
 Chen Qiyuan 陈启源, 134, 149, 341
 Chen Shuo, 669
 Chen Yi 陈毅, 696
 Chen Yizi, 648
 Chen Yonggui 陈永贵, 734
 Chen Yun 陈云, 565, 571–2, 574, 581, 586, 732–3, 739–40, 745, 748, 749–50, 755, 756, 759
 Chen Yuyu, 678
 Cheng Linsun, 286
 Chenggong, Yunnan, 521
 Cheong Weng Eang, 341
 Cheung Sui Wai, 68
 Chiang Ching-kuo 蒋经国, 545
 Chiang Kai-shek 蒋介石, 188, 196, 267, 272, 274, 463, 466, 485, 545, 715, 788. *See also* Jiang Jieshi
 China Dream, 816
 China Economic Statistics Institute, 203
 China Health and Nutrition Survey (CHNS), 621
 China Integrated Circuit Industry Investment Fund (CICIF), 817
 China Merchants Steam Navigation Company (CMSNC), 169, 174–6, 307, 308, 344, 465, 492, 737
 China National Aviation Corporation (CNAC), 487
 Chinese Economic Yearbook, 306
Chinese Monetary History, 8
 Chinese Revolutionary Alliance, 406
 Chinese Textile Construction Company, 163
 Chong, Ja Ian, 255, 266
 Chongqing, 159, 189, 487
 Christianity, 391
 Chuan, Han-sheng 全汉升, 67, 68
 Chuxing Company, 351
 civil service exams, 28, 405, 500, 501, 502, 519, 777
 Cixi, Empress Dowager of Qing, 38, 171
 class struggle, 585–6, 592
 climate change, 50
 Cohen, Myron, 333
 Cohen, Paul, 26–7, 34
 Cold War, 692, 697–702
 collectivization, 657–60, 725, 741–4, 798
 Comintern, 541, 543, 544
 commerce. *See also* business organization; international trade
 apprenticeships, 504
 domestic trading, 66–9, 370–3, 372
 economic effects from new technology, 444–7, 445, 446
 financial capital, 307–12
 Maoist era, 568, 797–8
 money market integration, 232–4
 commercial law, 37
 Common Program (1949), 548
 communal dining, 675–7
 communes, 553–4, 583, 645, 657–9, 675–7, 724
 communication infrastructure, 457–64
 Communist institutional origins, 531–3
 analyzing institutional evolution, 533–4
 creation of a totalitarian regime, 548–51
 empire comparisons, 534–40, 535, 538, 539
 origins of totalitarianism, 541–3
 regionally decentralized authoritarianism (RDA), 556–63
 regionally decentralized totalitarianism (RDT), 551–6
 totalitarianism's introduction to China, 543–8
 company founders, 148–52
 company law, 181, 182, 200, 345, 347–8, 469, 811
 competition, 29, 740, 779, 786, 788, 812, 816, 820, 825, 827
 conflict between political and economic objectives, 782
 Confucian Classics, 28, 42, 43, 170, 359, 499, 501, 510

Index

- Confucianism, 2, 29, 34, 42, 169, 390, 496, 510
 consolidated tax, 274
 Constitutionalists, 405–11, 407, 408
 constraints, 776, 794, 818–22
 consumption
 communal dining, 645, 675–7
 Maoist era trends, 599–601, 601, 604, 604, 615–24, 617, 621, 623, 631–2, 632
 Qing era, 62, 64–5, 94–6
 Republican era, 109
 contracts, business, 334–6
 copper, 74–5, 208, 211–13
 debasement of, 224–6
 corruption, 778
 cotton
 modern industries, 23, 23, 111, 131–2, 141–6, 143, 155
 postwar era, 163
 Qing-era industry, 70–1, 73, 104, 113, 426
 wartime production, 159
 Council for Mutual Economic Assistance (COMECON), 692
 counterfeiting, 212, 214, 225
Crop Reports, 615
 crop yields. *See* agriculture
 cross investment, 340
 Cuba, 488
 Cultural Revolution (CR), 532, 554–6, 557, 592–3, 594–5, 728, 732, 751
 currency, 208–11
 Daoguang depression, 74, 74–7
 government–private sector relationship, 224–32
 major currencies overview, 211–16
 Maoist era, 566
 money market integration, 232–5, 238
 Nanjing era, 44
 postwar era, 162
 pre-1950 period, 24, 25
 role of banks, 219–20, 221
 role of the state, 220–4
 tax collection, 250
 Da Long, 130
 Da Sheng, 149, 150
 Dai Yi 戴逸, 48
 Dalian, Liaoning, 234
 Dane, Richard Morris, 262
 Daoguang depression, 73–7
 Daoguang, emperor of Qing 道光皇帝, 49, 51, 54, 56, 73, 85, 97, 426
 Dazhai, Shanxi, 726, 734
 decentralization, 39, 537, 555, 581, 584, 588, 754.
 See also regionally decentralized authoritarianism (RDA)
 decentralization programs (1957 and 1970), 809
 decentralized development, 782
 decolonization, 708
 defense industries, 127–8, 154, 155, 171–3, 186–7
 deflation, 73
 demographics. *See* population changes
 Deng Xiaoping 邓小平, 548, 562, 586, 587, 595, 596, 647, 729, 731, 733, 735, 737, 739, 745, 747, 748, 755, 756, 758–60, 783, 808
 Deng Zihui 邓子恢, 657
 depositing money, 234–5, 320, 341, 568
 Demberger, Robert, 355–6
 developmental state
 central state enterprises, 188–91
 Guangdong enterprises, 192–6
 Guizhou enterprises, 198–202
 ideology and policy of, 184–8
 public versus private enterprise, 202–6
 Shanxi enterprises, 196–8
 Dexin, 483
 Dikötter, Frank, 628, 648
 Dimitrov, Georgi, 545
 Ding Richang 丁日昌, 171
 Ding-wu Disaster, 98
Discovering History in China, 26
 Doctrine of Nationalism, 187
 Doctrine of People's Livelihood, 187
 domestic public debt, 41, 44
 Dongting lake, 52
 double-cropping, 60, 102
Dream of the Red Chamber, 316
 droughts, 51, 98, 623
 Du Xuncheng 杜询诚, 21, 292, 373, 374
 dual-track system, 753–4, 804
 Duan Qirui 段祺瑞, 265, 266
 Dundas, Henry, 423
 Dutch East India Company, 423
 East India Company, 72, 423
 Eastern Bloc nations, 558–9, 560, 692, 695–6
 Eckstein, Alexander, 693, 711
 ecological decay, 50–7
Economic Growth in Prewar China, 164
Economic Principles of Confucius and His School, The (1911), 1
 education, 496–7, 777. *See also* overseas study
 Cultural Revolution era, 594–5
 modern universities, 394–9, 395, 396, 397, 400, 404

Index

- new system, post-1905, 509–18, 510, **511**, **516**, **517**, **518**
 role of missionaries, 392, 392–4, **393**
 socioeconomic changes, 519–26, **520**, **523**
 traditional system, pre-1905, 359, 497–508, 499, 501, **506**, **508**
- egg products, 138
- Eighth Party Congress (1956–1958), 571, 580, 581, 584, 670
- Eighth Route Army, 570
- electricity supply, 358, 382, 385, 386, 489
- Elvin, Mark, 9, 87, 100
- employment levels, 588–9, 590, **601**, 601, 746, 767, 801
- energy industry, 191
- Eng, Robert, 339
- engineers, 396–9, **397**, 400, **520**, 570
- England. *See* Britain
- entrepreneurs, 127, 132, 148–52, 350–1, 810
- Essay on the Principle of Population*, 58
- Europe
 living standards comparison, 62–3
 market prices, 67
 trade, 70, 425–6
- European Union (EU), 822
- exchange rates, 74–5, 160–1, 250, 352, 761
- exchange reserves, 814
- exploitation, 119–20
- export-oriented industrialization, 132–40
- Fairbank, John, 26, 419, 777
- family firms, 325–32, 348–9
- family management, 150
- famine, 51, 485, 554, 587. *See also* Great Famine (1958–1961)
- Fan Xudong, 342, 350
- Fang Xing 方行, 62–3, 64
- farm size, 88, 102–3, **103**
- Farmers Bank of China, 299
- Faure, David, 181, 343
- Fei Xiaotong 费孝通, 5, 136
- feudalism, 3, 6, 7
- Feuerwerker, Albert, 8, 9, 461
- fiat money system, 44, 238
- financial institutions, 280–7, **282**, **283**, **285**. *See also* banks; native financial institutions
 business and commerce, 307–12, **308**, **310**
 geography of, 287–94, 288, 289, 290, 291, 293
 rural finance, 298–307, **301**, **302**, **303**, **305**, **306**
 social status of, 316–21, **318**
 state's role, 294–8
 stock markets, 312–16, **314**, **315**
- financial trade associations, 319
- First Five-Year Plan (1953–1957), 489, 490, 567, 579, 692, 694, 794
- First National Finance Conference (1928), 270
- First World War (1914–1918), 144, 311
- Five Small Industries (FSI) campaign, 555
- floods, 50–1, 52, 54, 98, 623
- Foochow Naval Shipyard, 172
- Food and Agriculture Organization (FAO), 615, 616, 725
- Food and Money Semi-Monthly* (*Shihuo banyuekan* 食貨半月刊), 4
- Foot, Rosemary, 697
- foreign-aid strategy, 711–12
- foreign debt (FD), 356, 365–70, 367, 368
- foreign direct investment (FDI), 22, 356–7, 370, 414–17, **439**, 439–42, **440**, 442, 790
 impact of treaty ports, 365–70, 367, 368, 369, 371
 railroad lines, 472
 Reform Era, 738, 740, 811–12, 817
- foreign firms, 373–6, 374, 375, **379**, 440–2
 railroad construction, 466–7
 Reform Era, 813
 relation with university development, 396–9, **397**
- foreign influence, 442–8, 445, **446**, 449, 450
- foreign trade. *See* international trade
- Four Cardinal Principles, 562
- Fourth Five-Year Plan (1971–1975), 579, 591, 594, 596
- France, 701
- freight transportation, 473–80, **491**, 491–2
- Friedman, Milton, 751
- frontier innovation, 819–20
- Fu Yiling 傅衣凌, 7
- Fujian province, 631, 739, 740
- Fukang (native bank), **310**
- Furong, Sichuan, 83
- Fuzhou, Fujian, 172
- Gamble, Sidney, 514
- Gang of Four, 596
- Gansu corridor, 287
- Gansu province, 289
- Gao Gang 高岗, 548
- Gao, Mobo, 617
- Gao Wangling 高王凌, 49, 61
- Gaojia yan dike, Qingjiang, 56
- Gaoyang, Hebei, 145, 151
- Gaozong, emperor of Qing, 78. *See also* Qianlong Emperor
- gap between actual and potential output, 797–801

Index

- gap between urban and rural living standards, 796
- Ge Zhaoguang 葛兆光, 30, 38
- gender inequality, 521–3, **523**
- gentry degrees, 82
- Germany, 187, 467, 524
- Gesellschaft* (impersonal social relations), 6
- Global Financial Crisis (2008), 561, 769, 771, 815
- Gooch, Elizabeth, 682
- grain procurement, excessive, 664–74, **672**
- grain tribute, 55–6
- Grand Canal, 55–6, 246, 248
- Great Depression, 111, 136, 238, 267, 271
- Great Divergence debate, 10, 87
- Great Famine (1958–1961), 642–7
 communal dining's impact, 675–7
 excess death estimates and salient features, 647–50, 651
 excessive grain procurement, 664–74, **672**
 long-term effects, 677–82
 production failures, 655–64, **663**
- Great Leap Forward (GLF), 532, 552–4, 580–5, **585**, 643–7, 656, 712–16, 728
- Great Northern Telegraph Company, 460
- gross domestic product (GDP), 18–20, 19, 23, 238, **239**, 245, 446, 531, 723–9, **724**
 Maoist era, 596, **597**, 597–600, **598**, 607–8, 655
 Reform Era, 559, 561, 760, 766, 807, 812
 treaty ports, 358, 388, **389**
- Gu Mu 谷牧, 730
- Gu Yanwu 顾炎武, 30
- guandu shangban* enterprises, 344–5
- Guangdong Enterprise Corporation (GDEC), 193–6
- Guangdong province, 38, 72, 136, 138, 192–6, 212, 614, 628, 738, 740
- Guangxi province, 320
- Guangxu, emperor of Qing, 38, 171, 364, 788
- Guangzhou (Canton), 57, 70, 192, 316, 360, 422, 514, 523
- guilds, 66, 342
- Guiyang, Guizhou, 202
- Guizhou Enterprise Corporation (GZEC), 198–202
- Guizhou province, 198–202, 631, 743
- Guo Family Shop, 326–7
- Guo Le, 149
- Guo Moruo 郭沫若, 3
- Guo Songtao 郭嵩焘, 41, 173
- Guo Songyi 郭松义, 90
- Hai river basin, 50–1
- Halliday, Jon, 648
- Halsey, Stephen, 254, 492
- Han dynasty, 417
- Han river, 52, 53
- handicrafts, 124–7, 126
 and agriculture, 104–7
 Communist era, 568
 new export-oriented industries, 138–40
 socialization of, 163
 textiles industry, 131, 133, 138, 139, 140, 144–6
- Hangzhou Electric Light Company, 346–7
- Hangzhou, Zhejiang, 483
- Hankou, Hubei, 69, 70, 217, 218, 309, 444
- Hanyang Iron Works, 179
- Hanyeping Company, 178–80, 307
- Hao Yen-ping, 343
- Hart, Robert, 252, 254, 259, 459
- He Changling 贺长龄, 56
- He Liping 贺力平, 76
- He Ziquan 何兹全, 4
- health care, 626, 769
- Henan province, 485, 583, 614
- Hengjialou dike, Henan, 55
- Hengzhou, Hunan, 65
- Heshen 和珅 (Qing official), 49, 50
- high-level equilibrium trap, 100, 106
- highlands settlement, 52–4
- Hino Kaisaburō, 4
- Ho, Chun-Yu, 228
- Ho, Hon-wai, 251
- Ho, Ping-ti 何炳棣, 9, 58, 97
- hoarding, 234
- Hong Kong, 286, 294, 345, 422, 434, 582, 699, 737–8, 811, 814
- Hong Kong and Shanghai Banking Corporation (HSBC), 40, 296
- Hong Liangji 洪亮吉, 58, 84
- Hong Ren'gan 洪仁玕, 780
- honorary titles, 295
- Hou Yangfang 候杨方, 99
- household contracting, 743
- household division. *See* family firms
- household subsidiary activities, 104–7
- Housheng Cotton Mill, 311
- Hu Jintao 胡锦涛, 785
- Hu Qiaomu 胡乔木, 734
- Hu Shi 胡适, 789
- Hu Yaobang 胡耀邦, 562, 756–7
- Hu Yuanhe lineage trust, 331
- Hua Guofeng 华国锋, 596, 729, 741
- Huaibei district, 81
- Huainan district, 81
- Huang Jingbin 黄敬斌, 63, 64
- Huang, Philip, 87, 100, 102, 105

Index

- Huang Zongxi 黄宗羲, 30
 Huang Zongxian, 134
 Huang Zunxian 黄遵宪, 38
 Hubei Coal Mining Company, 176
 Hubei province, 52, 71, 80, 629, 631
 Hubei Textile Bureau, 351
 Huguang Loan (1911), 261, 264
 Huizhou, Guangdong, 93, 98
hukou system, 588
 Hunan province, 38
 Hundred Days Reform (1898), 38
 Hundred Flowers movement, 580
 Hupei Cotton Cloth Mill, 178, 179
 hyperinflation, 45, 566
- ideological change (1850–1950), 15–18
 age of culture, 41–3
 age of institutions, 38–41
 age of machines, 34–7
 economic statistics, 18–26, 19, 21, 22, 23, 25
 end of the financial revolution, 44–5
 Qing political regime, 28–31
 Western impact and Chinese response
 framework, 26–8, 32–4
- Imperial Academy, 500
 imperial examination system, 536, 777
 imperial land system, 535
 Imperial Post Office, 459
 Imperial Telegraph Administration, 176, 461–3
 import-substitution industries, 140–8, 141, 143
 incentive problems, 116, 117, 558, 583
 incentive-compatible (IC) transformation,
 534, 546–7
 incentives, 231, 234, 533–4, 555, 560, 752–3, 796–7
 income inequality, 627–31, 628, 630, 634–9, 637
 income trends (Communist era), 602–4,
 608–14, 611, 612, 614
- India, 439, 517, 624
 industrialization. *See* handicrafts; modern
 industries
 inefficiency, 598, 727, 785, 796, 800, 801
 inflation, 61, 63, 73, 162, 277, 590, 591, 754, 755,
 756, 757, 761–2, 766
- infrastructure, 152, 182, 357, 457–8
 and agriculture, 112, 475–6
 freight transportation, 473–80, 491, 491–2
 interruptions to railroad development,
 471–3
 motor roads and aviation, 484–8
 passenger transportation, 480–4, 481
 postal and telegraph communication,
 459–64
 postwar rail expansion, 488–92, 491
- steamships and railroads, 464–71, 468
 innovation, 101, 439, 772, 776, 786, 818, 819–20,
 821, 826
 insurance companies, 292, 293
 intellectual elites, 523–6
 interest rates, 119–20, 121, 210, 236–8, 237, 448
 rural finance, 299, 302, 305
International Development of China, 185
 international relations (Maoist era), 685–8
 Cold War geopolitical and economic blocs,
 697–702, 699, 700
 impact of domestic campaigns, 712–16
 legacy of imperialism, 708–12
 legacy of Japanese empire, 702–8
 Soviet Union and the planned economy,
 688–97
- International Settlement, Shanghai, 32
 international trade, 414–17, 434, 687, 687
 commodity-level trade, 448–55, 451, 454
 country composition, 433–5, 435, 436
 export-oriented production, 132–40
 integrated statistics, 442–4, 443
 Maoist era, 596, 686, 691–6, 695, 697–702,
 699, 700, 704–5, 706, 709–10, 713, 714,
 715–16, 717
 Maritime Customs records, 129, 429–33, 431
 opium, 75–7
 postwar era, 160–2
 pre-1839 era, 417–28
 pre-1950 period, 20–1, 21, 35–7
 Qing maritime trade, 71–3
 Qing trade networks, 57
 Reform Era, 730–2, 737, 811
 steamships, 464–5
 tea export, 69–70
 volume of, 436–8, 438
- interregional trade. *See* commerce
 involution, 99–107
 Irish potatoes, 109
 iron industry, 582, 656
 Iwai Shigeki, 279
 lyigun, Murat, 31
- Jamieson, George, 248, 340
 Japan
 consumption, 622
 cotton industry, 142–3
 education, 515, 517
 gross domestic product (GDP), 19, 19
 industrialization, 126, 131–2, 146–7,
 707–8, 730
 industry in occupied areas, 156–9, 704
 infrastructure, 463, 464, 471, 479–80, 493

Index

- Japan (cont.)
 investment, 439
 legacy of empire, 702–8
 Meiji influence on China, 38–9
 overseas study, 401, 404–11, 408, 524
 scholarship, 2, 4, 6
 silk production, 114, 116, 136–8
 technical expertise, 696, 705
 trade, 72, 434, 702, 704–5, 715–16
 treaty ports system, 367
 Western impact on, 31
- Jardine, Matheson & Co., 134, 142, 426, 441, 466
- Jian family, 349
- Jian Yujie, 149
- Jian Zhaonan, 149
- Jiang Jieshi 蒋介石, 43. *See also* Chiang Kai-shek
- Jiang Qin, 503
- Jiang Qing 江青, 557
- Jiang Rongzhuang, 338
- Jiang Zemin 江泽民, 758, 762, 810, 813
- Jiangnan Plain, 54
- Jiangnan Arsenal, 127, 172
- Jiangnan region, 57, 59
 commerce and industry, 68, 136, 144
 consumption, 62
 living standards, 64
 population change, 63
- Jiangsu province, 56, 272, 317
 infrastructure, 468
 population change, 59
 taxation, 264
 textiles industry, 115, 135, 144
- Jiaqing, emperor of Qing 嘉庆皇帝, 49–50, 54, 55, 78, 79, 82
- Jiaxing, Zhejiang, 60
- Jicheng bao*, 346
- Jilin City, Jilin, 57
- Jilin province, 631
- Jin Guantao 金观涛, 29
- Jinan Puyi sugar factory, 114
- Jingdezhen, Jiangxi, 66
- Jingzhou, Hubei, 54
- Jin-Pu Railway, 180
- Jiuda Salt Refinery, 350
- Joffe, Adolf, 544
- joint household economies. *See* family firms;
 private ordering
- joint-stock companies, 175, 344, 345, 690
- Joint-Stock Companies Act (1856), 345
- Ju Qingyuan 鞠清远, 4
- junxian* system, 535, 537, 538
- Kaiping Coal Mines, 176–7
- Kaixian Gong Village, 106
- Kang Youwei 康有为, 38, 42
- Kangxi, emperor of Qing 康熙皇帝, 51, 69, 71, 73, 391, 420
- Kasahara, Hiroyuki, 667
- Kaske, Elisabeth, 82, 470
- Katō Shigeshi, 4
- Keller, Wolfgang, 448
- Keynesian economics, 6
- Khrushchev, Nikita, 713–15
- Kiakhta, Russia, 69
- Kincheng (Jincheng) Banking Corporation, 311
- Kirby, William, 695, 793
- Kitamura Hironao, 67
- Koito Seisakujo, 157
- Köll, Elisabeth, 180
- Kong Xiangxi 孔祥熙, 267
- Korean War (1950–1953), 694, 698
- Kraus, Richard, 67, 68
- Kueh, Yak Yeow, 660–1
- Kuhn, Philip A., 49
- Kung, James Kai-sing, 393, 503, 650, 659, 665, 669–70, 676, 681–2
- Kuran, Timur, 31
- Kuznets, Simon, 20, 390
- labor allocation, 573–4
- laissez-faire* principle, 170
- land acreage, 97–8
- land distribution, 119–20, 566, 602
- land institutions, 115–19, 118
- land tax, 246, 248, 261, 267–70, 273
- Lardy, Nicholas, 796
- Late Qing Reform (New Policies, 1903–1911), 112, 130, 244, 256
- latent capacity, 800
- latent potential
 in agriculture, 798–9
 in industry, 800–1
 in international and domestic exchange, 797–8
- League of Nations, 448
- Lee, James, 60–1, 65
- Legalism, 170
- Lenin, 541, 543, 544, 546
- Leninist party, 540, 541, 558
- Levine, Ross, 232
- Lewis, W. Arthur, 355
- Li Bingjing, 667
- Li Bozhong 李伯重, 59–60, 68
- Li Chihua, 679
- Li, Dan, 228

Index

- Li Dazhao 李大钊, 544
 Li Fusun, 230, 232
 Li Hongzhang 李鸿章, 35, 38, 141, 171, 174–5, 180, 307, 343, 466
 Li, Lillian, 51
 Li lineage, 333
 Li Peng 李鹏, 757, 762
 Li Quanshi 李权时, 268
 Li Siyou lineage trust, 332
 Li Xiannian 李先念, 738, 741, 748, 799
 Li Yingzhou, 338
 Li Yuanhong 黎元洪, 351
 Liang, Ernest, 473
 Liang Fangzhong 梁方仲, 5
 Liang Qichao 梁启超, 33–4, 38, 41–2, 43, 350, 789
 Liang-Huai salt district, 81, 84
 Liao dynasty, 51
 Liao Zhongkai 廖仲恺, 545
 Liaoning province, 65, 614, 635
 life expectancy. *See* mortality rates
 lijin duties, 248–51, 251, 252, 258–60, 264, 265, 267, 270, 478
 Lin, Justin Yifu, 658, 665, 676
 Lin Man-houng, 77
 Lin Zexu 林则徐, 427
 lineage trusts, 328–32, 349
 Lingnan region, 50
 Linxiang, Hunan, 69
 literacy rates, 505
 Liu family, 333
 Liu Hongsheng 刘鸿生, 149, 351
 Liu Mingchuan 刘铭传, 180
 Liu Qingfeng 刘少奇, 29
 Liu Shaoqi, 545, 586, 587, 664
 Liu Ta-Chung, 608, 615
 Liu Yan 刘晏, 168
 Liu Yuan, 676
 living standards (Maoist era), 606–7
 agricultural output, 633–4, **634**
 food consumption trends, 615–24, **617**, **621**, **623**, 632
 income inequality, 627–31, 628, **630**, 634–9, 637
 income trends, 608–14, **611**, **612**, **614**
 mortality record, 624–6, **625**
 per capita GDP trends, 607–8, 723–5
 rural poverty, 631–4
 living standards (Qing era), 62–6
 loans, 237. *See also* rural credit
 Maoist era, 690, 694
 Nanjing Decade, 272
 Qing era, 259, 261, 296
 warlord era (1912–1927), 261–3, 266, 472
 wartime, 275
 Lü Xuehai, 138
 Lumey, L.H., 679
 Lushan Conference (1959), 668, 676
 luxury goods, 57, 73, 426

 Ma, Debin 马德斌, 64, 137
 Ma Jianzhong 马建忠, 173
 Ma Jinhua, 266
 Ma Junya, 144
 Macartney, George, 1st Earl Macartney, 15, 423–4
 Macau, 422, 737
 machinery, adoption of, 385–8, **388**
 Mackay Treaty (1902), 260, 264
 macroeconomics. *See* money markets
 Maddison, Angus, 607
 Made in China 2025, 719, 780, 816, 820
 Mah, Feng-hwa, 694
 maize, 108
 Makino Fumio, 125
 Malthus, Thomas, 58, 60
 Malthusian framework, 100–3, 101
 management styles, 148–52
 Manchuria, 23, 127, 156–7, 160, 471, 479–80, 488, 615, 704–5, 791
Manifesto of the First Nationalist Party Congress, 185
 Mann Jones, Susan, 49
 Mao Zedong 毛泽东, 27, 45, 545, 550
 agricultural decisions, 566, 577, 728
 Communist institutional origins, 551–5
 death of, 595
 Great Famine (1958–1961), 668
 Great Leap Forward, 643–5, 713–14
 Soviet relations, 688–92
 transition to the Great Leap Forward, 580–4
 Maritime Customs Service (MCS), 33, 40, 252–4, 253, 271, 273
 government bonds, 227, 229, 231, 263, 264
 postal system, 459–60
 tax collection, 36, 71–3, 248, 258–9
 trade records, 20, 128, 415, 429–33, 431, 442–4, 451–2, 454
 maritime trade, 71–3, 85
 market
 forces, 569, 572–3, 578, 580, 747, 767, 783, 807–15, 825
 integration, 232–40, 236, 237
 opening, 810–12, 825
 outcomes, 812–15

Index

- market's role in allocating resources, 781, 801, 812
- Marks, Robert, 50
- marriage, 66
- Marxism, 3, 6–7, 27, 45, 544
- Marxism–Leninism, 541, 544, 552
- match production, 147
- Mawei Shipbuilding Yard, 128
- May Fourth Movement (1919), 266
- Mayers, William, 788
- Meiji era, Japan, 16, 17, 31, 38–9, 42, 130, 167, 405, 493
- Meng family, 327, 348
- Meng Zhang, 57, 337
- Meng Xin, 665, 678
- Mentougou coal mines, 336
- merchants
 as business managers, 344–5
 business organization, 334, 337–8, 340, 342–3
 currency use, 214
 industrial entrepreneurship, 148–9
 pre-1839 trade, 420, 422
 state–enterprises relationship, 168, 170, 173–81, 784
 steamship companies, 465
- metalworks, 178, 582, 656
- Mexico, 215
- migration, 108, 573, 589, 821
- Mikoyan, Anastas, 688, 690
- military institutions, 248
- Minami Ryoshin, 125
- Ming dynasty, 7, 69, 208, 244, 419, 421
- Minimum List of Commodities (MLC), 448
- mining industry, 23, 311, 336–7, 635, 770
- Minong, Taiwan, 333
- minting bureaus, 211
- missionaries, 359, 390–4, 391, 392, 393, 402, 514
- Miyazaki Ichisada, 4
- modern industries, 124–7, 126
 company founders and management, 148–52
 education's role, 519–21, 520
 export-oriented production, 132–40, 135, 139
 financial capital, 307–12, 308, 310
 import substitution, 140–8, 141, 143
 industrialization from abroad, 127–8, 129
 Maoist era, 568–80, 571, 584, 800–1
 postwar reorganization, 160–4, 161, 165
 role of treaty ports, 357–8
 technology transfer, 128–32, 146
 wartime, 152–60, 154, 155, 165
- Mokyr, Joel, 31, 390
- money market, 208–11
 centrally planned command system, 577–80
 government–private sector relationship, 224–32
 integration of, 232–40, 236, 237, 239
 major currencies overview, 211–16
 role of financial institutions, 216–20, 217, 218, 221
 role of the state, 220–4, 294–8
- moonshot innovations, 820
- Morck, Randal, 338
- Mori Tokihiko, 143
- mortality rates, 63, 624–6, 625
 Great Famine (1958–1961), 647–50, 651
- Motono, Eiichi, 36–7
- motor vehicles, 486
- Mukden Incident (1931), 471
- munitions industry, 154, 379, 382, 383
- Murphey, Rhodes, 25
- Muslim Rebellion (1862–1873), 98
- Myers, Ramon, 9, 82
- Naitō Konan, 2, 4
- Nakai Hideeki, 142
- Nakamura Jihei, 67
- Nan Hanchen, 701
- Nanghai, Guangdong, 134, 341
- Nanjing University, 112, 120
- Nanjing, Jiangsu, 43, 66, 114, 371
- Nanyang Brothers Tobacco Company, 113, 131, 149, 349
- Nanyang Gongxue, 130
- Nathan, Andrew, 789
- National Agricultural Research Bureau (NARB), 615
- National Capitalism and the Old Chinese Government*, 373
- National Commercial Bank, 312
- National Defense Planning Commission, 203
- National Federation of Education, 521
- National Resources Commission, 153, 154, 189–91, 203, 205
- native banks (cash shops), 214, 235, 281, 282, 283, 284–6, 285, 291, 291, 295, 297, 298
 commerce and industry finance, 307–12, 308, 310
 rural finance, 299, 300
 social status of, 317
- Native Customs, 248, 253, 259, 273
- native financial institutions, 213, 216, 217. *See also* native banks (cash shops)
- native-place affiliations, 340–1
- natural disasters, 98–9, 99, 576, 595, 660–4, 663

Index

- navigation transport, 174–6
 Needham, Joseph, 390
 network interests, 778–9, 802, 824
 networks, of bankers, 317–19, **318**
 New Culture Movement, 525
 New Democracy, 691
 New World crops, 53, 93, 108–9
 newspapers, 344, 346
 Ni Yuping, 85
 Niida Noboru, 6
 Ningbo, Zhejiang, 294, 317, 364, 446, 522
 Ningjin, Hebei, 75
 Nippon Railway, 493
 Nippon Steel, 731
 Nishijima Sadao, 7
 North China Development Company, 157
 Northern Expedition (1927), 788
 Northwestern Industrial Corporation (NIC), 196–8
- oil production, 596, 728
 on-the-job training (OJT), 131
 one-child policy, 727
 openness, 17, 455, 691, 739, 779–81, 788, 789, 813
 opium, 73, 75–7, 111, 249, 250, 259, 423, 426–7
 Opium War (1839–1842), 15, 31, 35, 48, 73, 124, 213, 247, 342, 360, 391, 414, 427
 Opium War (1856–1860), 254, 361, 428
 Oriental culture, 2, 3
 overseas study, 400–11, 402, **403**, **408**, 524–5
- Panzhihua, Sichuan, 636, 638
 paper money, 210, 215–16, 219, 226–7
 role of the state, 220–4
 Paris Peace Conference (1919), 265
 partnerships, 150, 151. *See also* family firms
 private ordering, 332–42
 Party Work Conference (1978), 732–4
 passive investors, 340
 patronage, 36, 59, 458, 778
 pawnshops, 280, 281, **282**, **283**, 284, **285**, 295
 rural finance, 299, 300, 306
 social status of, 316, 320
- Pearl river delta, 737
 Peking University, 525
 Peng Dehuai 彭德怀, 584
 Peng Nansheng 彭南生, 146
 Peng Shihong, 197
 Peng Xinwei 彭信威, 8
 Peng Yuxin 彭雨新, 69
 Peng Zeyi 彭泽益, 66–7, 76
pengmin (shed people), 53
- People's Bank of China. *See* Central Bank (PBoC)
 People's Commune, 553–4, 583, 645, 657–9, 675–7, 724
 Perkins, Dwight, 9, 59, 68, 90, 96, 232, 505, 795
 personal networks, 778–9
 petroleum industry, 191
 Piazza, Alan, 607, 616
 Ping County coal mine, 307
 planned (command) economy, 45, 567–80, 749
 productivity stagnation, 796–7
 Platt, Stephen, 780
 Plekhanov, Georgi, 543
 Pomeranz, Kenneth, 16, 62–3, 70, 83
 population changes
 diffusion of New World crops, 108
 Maoist era, 588–9, 590, 726–7
 Qing era, 57–66, 98–9, 99
 Reform Era, 801
- porcelain, 66
 postal system, 459–60
 postwar industrial reorganization, 160–4, 161
 Potter, Sulamith, 617
 Pottinger, Henry, 428
 poverty, 631–4
 price increases. *See* inflation
 primary school enrollment, 794
 primary sector. *See* agriculture
 Prince Gong (Yixin), 171
 prison reform, 791
 private ordering, 332–42
 private plots, 567, 574, 584, 587, 617–18, 619, 726, 797
 privately owned firms, 155, 373, 493. *See also* foreign firms
 privatization, 559, 562, 603, 750, 767, 809, 810–11
 producer co-operatives, 566, 567, 574–6, 583, 657, 724
 productivity growth, 233, 598–9, 801–2, 806, 813, 815, 822–3, 825
 fall in, 658, 785, 795, 796–7, 823, 827
 property rights, 83, 115, 117, 535, 554, 559–60
 provincial finances, 245, 251–5
 Qing centralization, 255–61, **256**, **257**
- public finance, 244–6
 Nanjing Decade, 267–72, **269**
 Qing centralization, 255–61, **256**, **257**
 Qing fiscal governance, 77–82, **80**, 246–55, 251, 253
 warlord era (1912–1927), 261–6, **262**
 wartime, 272–7, **276**
- public-health campaigns, 626

Index

- Puqi, Hubei, 69
 purchase shares, 300
 Putterman, Louis, 659
- Qi Xin Cement Co., 181
 Qian Changzhao, 187, 189, 191
 Qian, Nancy, 665, 678
 Qianlong, emperor of Qing 乾隆皇帝, 15,
 48–9, 77, 79, 82, 421, 423–4. *See also*
 Gaozong, emperor of Qing
- Qianmen, Beijing, 327
 Qimen, Anhui, 333
 Qin Shihuang 秦始皇, emperor of Qin, 45, 55
 Qing political regime, overview, 28–31, 48–50
 Qingdao–Ji'nan railroad, 474
 Qiyang, Hunan, 67
qiying baotai formula, 48
 Qu Fulu, 338
 Quan Hansheng 全汉升, 4, 5, 178
- railroad army corps, 489
 Railroad Bureau, 472–3
 railroad development, 180, 260, 466–71, 468
 freight transportation, 473–80
 interruptions to, 471–3
 passenger transportation, 480–4, 481
 postwar expansion, 488–92
 Rawski, Thomas, 20, 22, 164, 233, 465, 473, 475,
 499, 505, 795
 Readjustment Program (1979–1981), 733,
 735–6, 745
Red Flag, 553
 Red Guards, 592
 Reform Era, 722–3, 801–2
 baseline, 723–9, 724
 beginning of economic reform, 729–36
 breakthroughs of the 1990s, 758–68, 764,
 768, 807–15
 creativity of the 1980s, 748–58, 756, 802–7
 culmination and post-transition, 768–71
 opening up foreign exchange, 736–40
 post-Global Financial Crisis (2008), 815–23
 renewed reform and dynamics, 744–8
 rural reform, 740–4
 regional competitions, 559–61
 regional currencies, 209, 213
 regional merchant groupings, 340
 regionally decentralized authoritarianism
 (RDA), 532, 556–63
 regionally decentralized totalitarianism
 (RDT), 532–3, 551–6
 Reinhardt, Anne, 465, 492
 Remer, C.F., 439
- remittance houses, 281, 282, 283, 283–6, 285,
 287, 288, 295–6, 297
 Reorganization Loan (1913), 261, 264, 266
Report on Conditions of Chinese Industry, 203–4
 responsibility system, 586, 660, 744, 745
 Restoration Society, 406
 revenue figures, 262, 760
 Nanjing Decade, 269
 Qing era, 78–82, 80, 256, 257
 wartime, 276
 Revive China Society, 406
 revolutionists, 406–11, 407, 408
 rice prices, 63, 67
 rice trade, 52, 67–9, 72
 Rishengchang, 338
 road development, 484–7
 Roll, Charles, 796
 Rong family, 149, 311, 321, 349
 rotating credit societies, 280, 281, 282, 283, 285
 Rubin, Jared, 31
 Ruifuxiang, 327, 348
 rural construction, 583, 586
 rural co-operative treasuries, 287, 292, 293,
 299–300, 301, 302, 303, 306
 rural credit, 119–20, 121, 298–307, 301, 302, 303,
 305, 306
 rural reforms, 740–4, 746, 771
 Russell & Co., 134
 Russia, 69, 439, 471. *See also* Soviet Union
 (USSR)
 origins of totalitarianism, 541–3
 totalitarian influence on China, 544–6
- S.C. Farnham and Co., 128
 salt industry, 80–1, 337
 family firms, 328, 329–30, 331–2
 Sichuan province, 66, 83–4
 taxation, 247, 249, 250, 260, 262–3, 264,
 271, 273
 Sands, Barbara, 119
 Santiaoshi district, Tianjin, 130
 seagoing junk business, 170
 seasonal labor, 104–5, 105
 Second National Finance Conference
 (1934), 270
 self-initiated ports (SIPs), 357, 358, 362, 363–5,
 365, 366, 371
 long-term effects of, 388, 389
 modernization, 376–8, 388, 388
 overseas study, 403
 universities, 394–9, 396, 397, 400
 self-reliance, 707, 711, 718, 781, 797
 Self-Strengthening Movement, 35, 38, 167

Index

- arsenal industry, 171–3
 business organization, 345
 modern industries, 343–4, 357, 379
 officials and business enterprise, 173–81
 origins of, 577–8
 semi-industrial firms, 151–2, 163, 164
 sericulture, 114–15, 116, 135, 136
 sex ratios, 65
 Shaanxi province, 52, 75
 Shandong province, 468, 485
 Shang Yue 尚鉞, 7
 Shanghai
 banks, 40, 217–19, 218, 223, 227, 229, 237, 272,
 292–4, 296, 311
 cotton industry, 23, 142, 143, 145, 159
 education system, 518
 infrastructure, 461, 466, 483, 487
 Reform Era, 739–40, 760
 silk industry, 133–4, 136
 trade, 70, 436–8, 438, 442–4, 443, 446, 731
 treaty ports system, 371, 786
 Western impact and investment, 27, 32,
 363, 441
 Shanghai Commercial and Savings Bank, 217,
 311, 320
 Shanghai–Hangzhou railroad, 484
 Shanghai Merchant Steamship Company, 150
 Shanghai–Nanjing railroad, 475, 481
 Shanghai Native Bankers’ Association, 40
 Shanghai Stock Exchange, 313, 315, 817
Shanghai xinbao, 346
 Shangyu, Zhejiang, 326
 Shanxi province, 196–8, 284, 288, 339, 521
 Shaoxing, Zhejiang, 317
 sharecropping, 116
 shareholder partnerships, 332–42
 shares market, 346–7
 shed people (*pengmin*), 53
 Shekou, Guangdong, 739
 Shen Baozhen 沈葆楨, 172
 Shen Xin company, 149, 150
Shenbao, 346, 347
 Sheng Xuanhuai 盛宣怀, 130, 174, 177, 179–80,
 296, 461
 Shenyang, Liaoning, 234
 Shenyi tang, 331
 Shenzhen, Guangdong, 737, 738, 747, 762, 786
 Shi Zhihong 史志宏, 90, 93, 97
 Shiba Yoshinobu, 9
 shipbuilding, 127–8, 493, 817
 Shiue, Carol H., 448
 Shunde, Guangdong, 135
 Siam, 72
 Sichuan province, 470, 803
 ecological changes, 52
 financial institutions, 288, 300
 Great Famine (1958–1961), 650
 living standards, 631, 636
 modern industries, 153, 593
 salt industry, 66, 250
 silk industry, 135, 158
 silk industry, 111, 131–2
 business organization, 339
 export-oriented, 133–8, 135, 139
 freight transportation, 475
 sericultural improvements, 114–15, 116
 wartime production, 158–9
 Silk Road trade, 417
 silver, 208–10, 213–15
 Daoguang depression, 74, 74–7
 money market integration, 232–5, 238
 role of banks, 219–20
 role of the state, 220
 Sinking Fund Commission, 44, 229–32
 Sino-American Trade Commercial Treaty
 (1946), 162
 Sino-Foreign Salt Inspectorate, 262, 271, 273
 Sino-Japanese War (1894–1895), 31, 33, 37, 38,
 130, 179, 244, 255, 259, 401, 463, 467, 703
 Sino-Japanese War (1937–1945), 185, 189, 197,
 198, 205
 modern industries, 152, 154, 155
 public finance, 272–7, 276
 Skinner, G. William, 9, 71
 small-scale firms, 151–2, 164, 571, 767
 Smithian growth, 102
 smuggling, 80, 430, 478
 soap production, 147–8
 Social History Debate, 3
 Soda Saburo, 135
 SOEs. *See* state-owned enterprises (SOEs)
 Sogabe Shizuo, 4
 soil fertility, 53
 Sommer, Matthew, 66
 Song dynasty, 215, 328, 342
 Song family, 43
 Song Ziwen 宋子文, 44, 267, 271, 272
 Songjiang–Taicang region, 145
 South China Sea, 418, 420
 South Manchurian Railway, 156, 287, 471, 479–80
 Southeast Asian trade, 72
 Southern Huai salt industry, 250
 Southern Tour (1992), 758, 808
 Soviet Growth Model (1949–1978)
 centrally planned command economy,
 567–9

Index

- Soviet Growth Model (1949–1978) (cont.)
 command system in 1956–1957 period,
 569–80, 571
 early years, 565–7
 economic recovery 1961–1964, 585–91,
 590, 591
 evaluation of economic performance, 597,
 597–605, 598, 600, 601, 604
 organization and policies 1965–1978, 591–7
 transition to the Great Leap Forward,
 580–5, 585
- Soviet Union (USSR), 187, 479, 593, 688–97,
 713–15
 Cold War geopolitical and economic blocs,
 697–702
 loans and aid, 275, 712
 railway development, 488
 technical expertise, 490
 trade, 695
- Spanish pesos, 209, 214
- special economic zones (SEZs), 738–9, 745,
 747, 759, 804
- Spence, Jonathan, 390
- sprouts of capitalism, 7, 27
- Stalin, 545, 549, 691–2
- Standard International Trade Classification
 (SITC), 448
- state capitalism, 153, 815–23
- state incapacity, 759, 776
- State Planning Commission, 577–8, 582, 713
- State Statistical Bureau (SSB), 608, 609, 618,
 619, 634
- state trading companies, 578
- state weakness, 776, 779, 825
- state's non-economic objectives, 802
- state–enterprises relationship, 167, 344. *See also*
 planned (command) economy
 arsenal industry, 171–3
 developing central state enterprises, 188–91
 Guangdong enterprises, 192–6
 Guizhou enterprises, 198–202
 ideology of the developmental state, 184–8
 officials and business enterprise, 173–81, 784
 origin of self-strengthening, 577–8
 public versus private enterprise, 202–6
 Reform Era, 809, 818
 Shanxi enterprises, 196–8
- state-led development, 152, 813
- State-owned Assets Supervisory Commission
 (SASAC), 562, 784
- state-owned enterprises (SOEs), 66, 127, 152,
 184–6, 189, 555–6, 740, 747, 753, 767, 784,
 809, 826
- state-sector downsizing, 809, 814
- Stauffer, Milton, 391
- steam engines, 385–8, 387, 388
- steamships, 464–6
- steel industry, 156, 582, 656
- stock markets, 312–16, 314, 315, 762
- Study of China's Ancient Society* (1930), 3
- Sudō Yoshiyuki, 6
- sugar, 62, 114
- Sugihara, Kaoru, 132
- Suiping, Henan, 553
- Sun Lanzhi, 76
- Sun Pinghua, 704
- Sun Yat-sen 孙逸仙, 185, 188, 261, 263, 266,
 406, 493, 543
- Sun Yefang 孙冶方, 586
- Sun Yingde, 341
- Sun–Joffe Manifesto, 544
- Sunrise* (Cao Yu), 317
- surveillance, 777
- Suzhou, Jiangsu, 466
- Suzuki Chusei, 53
- sweet potatoes, 108, 618
- symbolic capital, 170
- System Reform Institute, 753
- Taiping Rebellion (1851–1864), 33, 35, 60, 63, 85,
 98, 124, 127, 171, 224, 244, 343, 429, 466, 786
- Taiwan, 339, 811
- Taiyuan, Shanxi, 197
- Takasaki Tatsunosuke, 704
- Tanaka Issei, 63
- Tanaka Masatoshi, 7
- Tangshan earthquake (1976), 176, 595
- Tang–Song transition, 2, 4, 6, 417
- Tao Xisheng 陶希圣, 4
- Tao Zhu, 56, 81
- Tawney, R.H., 25
- tax collectors, 250, 254
- taxation. *See also* *lijin* duties
 Nanjing Decade, 267–72
 Qing era, 79–80, 244, 247, 248–51, 251, 252–5,
 253, 258–60, 429–30
 Reform Era, 765, 808, 812
 remittance houses, 295–6
 silver payments, 213, 214
 trade, 36–7, 248–51, 251, 429–30
 warlord era (1912–1927), 261, 262–6
 wartime, 272–7
- tea, 62, 69–70, 72, 110, 426
- teacher-training schools, 518, 518, 522
- technical education, 128, 130–1, 132, 173, 359
- technological changes

Index

- economic effects from, 444–7, 445, **446**
 pre-1950 period, 34–7
 technology transfer, 128–32, 146, 730–2
 telegraph communication, 460–4
 Telford, Ted, 65
 Temple Destruction Movement, 512
 tenancy system, 116–17, **118**
 Teng, Ssu-yu, 26, 419
 textiles. *See* cotton industry; silk industry
 TFP (total factor productivity), **598**, 795, 799,
 807, 822
 Thaxton, Ralph A., 619
 Third Five-Year Plan (1966–1970), 591, 594, 596
 Third Front, 593–4, 637, 800
 Third National Finance Conference (1941), 273
 Third Plenum (1978), 732, 735–6
 Third Plenum (1993), 763–6, **764**
 Three Doctrines of the People, 185, 186,
 192, 511
 Three Gorges, 98
 Tiananmen Square Protests (1989), 562, 757
 Tianjin, 130, 147, 217, 218, 294, 317, 444, 461,
 467, 476
 Tianjin Arsenal, 128
 Tianjin Soap Company, 147
 Tianjin Technology and Business
 University, 520
 Tianjin–Pukou railroad, 467–70, 474, 478, 483
 timber industry, 337
 Ting Zhili, 515
 tobacco, 112–13, 274, 477
 Toffler, Alvin, 751
 Tokugawa era, Japan, 31, 42, 72, 505
 Tong Kingsing 唐景星, 174, 177
 Tongcheng, Anhui, 65
Tongmenghui (Alliance Society), 526
 Tongrentang, 327, 335
 Tongzhi Restoration (1861–1875), 35
 Tongzhi, emperor of Qing, 171
 total factor productivity. *See* TFP (total factor
 productivity)
 Township and Village Enterprises (TVEs),
 746, 747, 753, 783, 804
 Toyota company, 157
 transfer of technology. *See* technology
 transfer
 translated works, 38
 transportation infrastructure, 457–8
 freight transportation, 473–80, **491**, 491–2
 interruptions to railroad development,
 471–3
 motor roads and aviation, 484–8
 passenger transportation, 480–4, 481
 postwar rail expansion, 488–92, **491**
 steamships and railroads, 464–71, 468
 Treaty of Nanking (1842), 21, 252, 360, 371, 379,
 391, 427–8, 464
 Treaty of Shimonoseki (1895), 37, 142, 259, 362,
 364, 376, 441, 703
 Treaty of Tientsin (1858), 391, 428, 464
 treaty ports system, 15, 40, 44, 354, 356, 358–9
 early industrialization, 124, 128
 foreign investment and debt, 365–70, 367,
 368, 369, 370, 371, **439**, 439–42, **440**, 442
 geography of, 365, 369
 hinterland economic zones, 427–8
 human capital development, 390–9, 391, 392,
393, 395, 396, **397**, 400
 long-term effects of, 388, **389**
 Maritime Customs records, 429–33, 431
 market integration, 370–3, 372
 modernization, 373–88, 374, 375, 377, 378, **379**,
 380, 382, **383**, 385, 387, **388**
 origins of, 360–3, 361, 362
 overseas study, 402–4, **403**
 spillover benefits, 447–8
 taxation, 36, 252
 trade, 414, 427
 Triads, 543
 tributary system, 29, 246, 418–20
 Tsinghua University, 524
 Twitchett, Denis, 9
 underutilized resources, 796
 United States of America (USA)
 Cold War trade embargo, 697–702
 gross domestic product (GDP), **239**, 246
 infrastructure, 488
 loans, 275
 overseas study, 524
 trade, 136, 161–2, 435
 Vietnam War, 593
 universities, 394–9, 395, 396, **397**, 400, 404, 524, 594
 van de Ven, Hans, 252, 259
 Vietnam, 593
 Viraphol, Sarasin, 72
 Vogel, Hans Ulrich, 75
 Voitinsky, Grigori, 544
 von Glahn, Richard, 61, 68, 74, 77, 82
 wage levels
 Maoist era, 573–4, 590–1, **591**, 600, 602,
 614, 636
 Qing era, 61, 64, 95, 96, 105
 Wan Li 万里, 733–4, 741, 743

Index

- Wancheng dike, Hubei, 54
 Wang Fansen 王汎森, 17, 30
 Wang Jiayang 王稼祥, 545
 Wang lineage trust, 329–30
 Wang Luman, 296
 Wang Qisheng 王奇生, 524
 Wang Renzhong 王任重, 741
 Wang Yangming 王阳明, 43
 Wang Yaosheng 王耀生, 502
 Wang Yeh-chien 王业健, 63, 73, 75, 79, 82, 245
 Wang, Yejian 王业健, 237
 Wang Zhiyi, 54
 Wangquantang, 327
Warnings to a Prosperous Age, 130
 Washington Naval Conference (1921), 265
 water control, 54–6
 Weber, Max, 3, 393
 Wei Xian, Shandong, 145
 Wei Yuan 魏源, 56, 79, 170, 779
 Wei Xiahai, 676
 Weifang, Shandong, 152
 well-field system, 169
 Wen Jiabao 温家宝, 769
 Wen lineage, 331
 Wen Xiang 文祥, 171
 Wen, Guanzhong James, 675, 676
 Weng Wenhao 翁文灏, 186, 187, 188, 189, 191
 Wen-hsin Yeh, 317
 Western culture, 2, 41–3
 Western impact, 354–60, 779–81
 business organization, 342–8
 firms and banks data, 21–2, 22
 foreign investment and debt, 365–70, 367, 368, 369, 370, 371
 human capital development, 390–9, 391, 392, 393, 395, 396, 397, 400
 impact–response framework, 26–8, 32–4, 40
 long-term effects of treaty ports, 388, 389
 overseas study and political change, 400–11, 402, 403, 408
 self-initiated ports (SIPs), 363–5, 365, 366
 treaty ports and market integration, 370–3, 372
 treaty ports and modernization, 373–88, 374, 375, 377, 378, 379, 380, 382, 383, 385, 387, 388
 treaty ports system, 36–7, 360–3, 361, 362
 Western scholarship, 8–11
 White Lotus Rebellion (1796–1804), 54, 79, 246
 Will, Pierre-Étienne, 52
 Wittfogel, Karl, 3
 working capital, 338–40
 World Bank, 609, 624, 635, 751, 770, 781
 World Trade Organization (WTO), 767, 776, 785, 811, 814
 Wright, Mary, 35
 Wright, Tim, 144
 Wu Chengming 吴承明, 10, 69, 73, 109, 275
 Wu Dingchang, 198–9, 200
 Wu Hui 吴慧, 90, 92, 94
 Wu Songdi, 233
 Wu Xiaozhen, 65
 Wuchang Uprising (1911), 406
 Wuchang, Hubei, 63
 Wuhan, Hubei, 614, 635
 Wuxi, Jiangsu, 114, 115, 135, 137
 Xi Jinping 习近平, 780, 785, 816, 819
 Xi Zhongxun 习仲勋, 548, 670
 Xianfeng, emperor of Qing 咸丰皇帝, 224
 Xiang river, 52
 Xiangyin county, Hunan, 54
 Xianning, Hubei, 71
 Xiaogangcun, Anhui, 741
 Xiaoshan, Zhejiang, 63
 Xicun, Guangdong, 192
 Xie Nanming, 149
 Xin Deyong, 98
 Xinhai Revolution (1911), 359, 400, 401, 406
 Xinjiang region, 49, 77, 289
 Xiuning, Anhui, 333
 Xu Dixin 许涤新, 109
 Xu Rongting, 351
 Xu Run, 307
 Xu Xinwu 徐新吾, 145
 Xue Muqiao 薛暮桥, 751
 Yan Xishan 阎锡山, 196–7, 288
 Yan Yutang, 149
 Yan Hongzhong, 236
 Yan'an Rectification Campaign (1942), 545, 550
 Yan'an, Shaanxi, 565
 Yang, Dennis Tao, 796
 Yang Fan, 338
 Yang Jisheng 杨继绳, 648
 Yang Lien-sheng, 8
 Yang Nianqun 杨念群, 34
 Yang Xifu, 52
 Yanglinzhai, Hunan, 54
 Yangzhou, Jiangsu, 81, 84
 Yangzi river, 52, 362, 464–5, 467
 Yao Yilin 姚依林, 757
 Yared, Pierre, 665
 Yeh, Kung-chia, 608, 615
 Yellow River, 55, 246, 247
 Yinghe (Qing official), 56

Index

- Yong An company, 150
 Yongtai Company, 114, 137
 Yongzheng, emperor of Qing 雍正皇帝, 51, 82
 Yongzhou, Hunan, 67
 Yoon, Wook, 462
 Yu Jieqiong, 74
 Yu Zhiqing, 149
 Yuan Geng 袁庚, 738
 Yuan Shikai 袁世凯, 130, 173, 181, 226,
 261–4, 266
 Yuchtman, Noam, 520
 Yue Fengyi, 327
 Yue Xianyang, 327
 Yuezhou, Hunan, 364
 Yugan, Jiangxi, 521
 Yunnan province, 153, 629
- Zeng Guofan 曾国藩, 35, 38, 43, 171
 Zhang Fangzuo, 131
 Zhang Jian 张謇, 132, 149, 178–9, 185, 342, 467
 Zhang Naiqi, 316
 Zhang Zhidong 张之洞, 113, 173, 178–9, 351,
 364, 401, 780
 Zhangjiakou, Hebei, 69
 Zhangqiu, Shandong, 55
- Zhao Erxun, 114
 Zhao Ziyang 赵紫阳, 562, 741, 743, 748–9,
 751–2, 755–7, 781
zhaoshang system, 168, 170
 Zhejiang province, 60, 82, 115, 272, 317
 Zheng empire, 419
 Zheng Guanying 郑观应, 130, 141, 149, 173, 461
 Zhili Gongyiju, 131, 148
 Zhili province, 50, 130, 174, 468, 485, 502
 Zhou Enlai 周恩来, 552, 595, 707, 709–12,
 715, 728
 Zhou Heng Shun factory, 130
 Zhou Xuexi 周学熙, 149, 181, 185
 Zhou Yumin, 252
 Zhou Ziqi, 264
 Zhou Hao, 796
 Zhou Li-An, 678
 Zhou, Titi, 650, 670
 Zhu Jiaye, 521
 Zhu Rongji 朱镕基, 762, 765–8, 776, 810
 Zhu Xianfang, 131
 Zigong, Sichuan, 329, 331,
 337, 339
 Zongli Yamen (Foreign Office), 254
 Zuo Zongtang 左宗棠, 171, 172, 254