

## Index

- Acapulco (Mexico), 56, 57, 60, 61, 73  
 accumulation  
   of capital, 46, 88, 227, 239, 246, 291, 302  
   original, 6, 7, 54, 112, 347  
   *See also* capital; capitalism; Marx  
 Act of Union, xiv  
   economic effects of, 211, 270, 284, 333  
   *See also* Scotland  
 advertisements, 212, 221, 279  
   *See also* consumption  
 agriculture  
   convertible husbandry in, 112, 113, 118, 126, 236, 239, 249, 267  
   late medieval, 14, 19–24  
   levies on, 19, 97, 107, 120, 129, 179, 256, 278  
   plantation, 42, 64, 65, 66, 68, 193, 200, 201, 203, 204, 205, 206, 207, 208, 210, 211, 216, 224, 226, 228, 261, 339  
   tenurial systems in, 14, 19, 23, 24, 97, 106, 107, 114, 115, 120, 121, 123, 125, 129  
   yields in, 22, 108, 110, 113, 116, 118, 120, 179, 180, 183, 199, 236, 240, 243, 243, 245, 251, 260, 261, 266, 268, 269, 270, 309  
   *See also* children, agricultural work of; common lands; crops; Dogana; enclosure; grain; industry, raw materials for; land; landowners; latifundia; maize; mulberry trees; oats; peasants; potatoes; productivity; rice; sugar; wheat; wine, production of; women, agricultural work of; individual countries/regions, agriculture in  
 alcabala. *See* Spain, taxes in; taxes, consumption  
 Americas. *See* individual countries/regions, colonies of  
 Amerindians  
   coerced labor of, 65, 66, 67, 147, 170, 188, 202, 204  
   consumption by, 66, 210, 225, 311  
 Amsterdam (Dutch Republic), 280, 315  
 Beurs, 74, 75  
   commerce in, 194  
   commerce of, 53, 59, 77, 81, 84, 86, 124, 154, 214, 215, 216, 218, 264  
   industry in, 77, 154, 158, 160, 315, 316  
   *See also* cottons, printing of; entrepôts  
 Antwerp (Belgium), 153  
   commerce in, 42, 53, 58, 59, 79–80, 81, 150, 151  
   industry in, 42, 150, 151, 152, 154, 164, 167, 168, 169, 171, 172, 298, 318, 320, 340  
   *See also* entrepôts  
 apprentices  
   training of, 31, 32, 34  
   work of, 29, 33, 34, 36, 166, 305  
   *See also* guilds; laborers  
 aristocrats. *See* nobility  
 Arkwright, Richard, 294, 312, 336, 337  
   *See also* cottons, technological innovations in  
 artisans  
   as entrepreneurs, 26, 165, 168, 290, 294, 298, 307, 340  
   autonomous, 35, 164, 348  
   capitalism and, 6  
   definition of, xiii, 3  
   innovations by, 28, 46, 300  
   non-corporate, 32  
   pressures on, 133, 164–66, 294  
   rural, 30, 33  
   shops of, 24, 29  
   urban, 29, 281, 282, 305, 328  
   *See also* credit, to artisans; guilds; Kaufsystem; putting-out; women  
 asiento. *See* slave trade, Spanish

- Austria  
 agriculture in, 125, 235  
 industry in, 145, 301, 302, 303  
 population of, 349  
 urbanization in, 350
- Azores, 13, 42, 56, 64, 94, 98
- baldíos. *See* common lands
- barchents. *See* cottons, mixed-fiber
- Basque provinces (Spain), 277, 293, 339  
 industry in, 68, 141, 142
- Bauernschutz. *See* peasants, government policies toward
- beer brewing, 24, 38, 134, 145, 155, 158, 160, 171, 235, 275, 315, 329  
 hops cultivation for, 22, 108, 261, 269
- Belgium  
 agriculture in, 22, 119, 121, 238, 247, 259–60, 264, 265, 272  
 commerce of, 220, 319  
 economic policies of, 152, 284, 319  
 exports of, 151, 152, 235  
 imports of, 215, 335  
 industry in, 138, 146, 150–53, 160, 291, 296, 298, 317, 318–20, 322  
 population of, 182, 319, 349  
 protectionism and, 316, 318, 319, 320  
 taxes in, 259, 319  
 urbanization in, 151, 159, 182, 279, 350  
*See also* Antwerp; beer brewing; coal, Belgian; Dutch Revolt, effects on Belgian economy of; glassmaking, in Belgium; grain, Belgian trade of; Industrial Revolution, Belgium and; ironmaking, in Belgium; Liège; linens, Belgian; Low Countries; metallurgical industries, Belgian; woollens, Belgian
- Bengal (India), 189, 192, 193, 195, 197, 199
- boats. *See* ships
- Bohemia  
 agriculture in, 125, 233, 234, 235  
 industry in, 27, 127, 145, 289, 291, 295, 296, 302, 303, 341  
 mining in, 140, 171, 174  
 population of, 349  
 urbanization in, 350
- Brabant. *See* Belgium; Low Countries
- Brazil  
 commerce of, 56, 70, 86, 189, 224  
 exports of, 64, 66, 68, 203, 204, 224  
 imports of, 204, 224, 241, 311, 319  
 plantation agriculture in, 66, 68, 204
- slaves landed in, 66, 67, 68, 204, 353  
*See also* coffee; cotton, growers of; gold, Brazilian; slave trade, Brazilian; sugar, Brazilian; tobacco, Brazilian
- Brenner, Robert  
 theory of agrarian capitalism of, 7, 8, 91–92, 112, 347  
*See also* capitalism
- Britain  
 agriculture in, 270–71, 271  
 Asian commerce of, 188, 200, 208, 331  
 Atlantic commerce of, 208, 209, 228, 331  
 colonies of, 199, 203, 208, 210, 211, 218, 226, 228, 279, 327, 331, 335, 353  
 commercial trends of, 185, 212, 213, 214, 218, 219, 326, 329, 330  
 domestic demand in, 280, 282, 329, 330, 334  
 exports of, 186, 188, 209, 210, 212, 213, 217, 218, 219, 220, 225, 227, 228, 327, 330, 331, 332, 334, 335, 336, 337, 338  
 imports of, 194, 203, 209, 211, 213, 218, 219, 220, 225, 228, 332, 334, 338  
 industrial trends of, 312, 322, 327, 328, 331  
 re-exports of, 209, 210, 218, 219, 332, 336  
 technological innovations in, 285, 298, 299, 300, 326, 329, 337, 338, 346  
 urbanization in, 182, 279  
*See also* cottons, British; England; grain, British trade of; Industrial Revolution, Britain and; Ireland; Levant, The, British trade with; Navigation Acts; Scotland; slave trade, British; woollens, British
- broadcloth. *See* woollens, broadcloth
- bullion  
 and inflation, 63, 87, 143, 239  
 supply of, 43, 62, 63, 73, 197, 283, 335  
 trade of, 54, 61, 72, 75, 81, 82, 84, 85, 188, 189, 190, 192, 195, 197, 200, 202, 203, 204, 212, 216
- Cádiz (Spain)  
 commerce of, 72, 203, 213, 214  
*See also* Seville
- calico. *See* cottons, calico
- Calico Acts, 334, 335, 336  
*See also* cottons, government policies regarding
- cameralism. *See* mercantilism
- Cape Verde Islands, 42, 64, 67

## 356 Index

- capital  
 availability of, 45, 105, 110, 121, 160, 161, 217, 258, 285, 303, 311, 333  
 commercial, 71, 72, 74, 77, 86, 213, 223, 347  
 fixed, xii, 24, 28, 29, 31, 34, 35, 36, 38, 82, 164, 166, 167, 171, 175, 267, 292, 296, 323, 338  
 industrial, 171, 173, 223, 224, 241, 271, 334  
 markets for, xii, 75, 121, 292  
 merchant, 8, 44, 55, 70, 73, 78, 140, 142, 286, 290  
 mobility of, 26, 69, 136, 143, 144, 147, 148, 159, 246, 305, 307, 317, 322, 324, 339, 341, 348  
 urban, 25, 101, 141, 243, 256  
 working, xii, 18, 19, 21, 24, 29, 32, 34, 35, 36, 45, 82, 145, 167, 168, 170, 175, 241, 249, 297, 345  
*See also* credit
- capitalism, xi, 24  
 debates about, 6–8, 55, 181  
 definition of, xiii, 6, 7, 38  
 Industrial Revolution and, 8, 112, 286, 346, 348  
 origins of, xiii, 6, 7, 8, 10, 54, 91, 112, 181, 225, 347  
*See also* capital
- Caribbean  
 commerce of, 57, 66, 77, 81, 84, 86, 205, 210, 226  
 exports of, 63, 65, 193, 201, 203, 209, 211, 226, 228, 321  
 slaves landed in, 67, 353  
*See also* Wild Coast
- Carreira da Índia, 56, 58, 61, 71, 189  
*See also* Portugal, Asian commerce of
- Casa de contratación, 72  
*See also* Spain, commercial institutions of
- Catalonia (Spain), 41  
 agriculture in, 98, 240  
 industry in, 103, 141, 312  
*See also* cottons, Catalan
- ceramics, 139, 143, 155, 158, 159, 222, 299, 317, 322, 325  
*See also* porcelain; pottery
- cereals. *See* grain
- chartered companies, 58, 73–74, 76, 186, 187, 189, 197–98, 345, 347  
*See also* Dutch United East India Company; Dutch West India Company; English East India Company; French East India Company
- children  
 agricultural work of, 111, 290  
 industrial work of, 116, 153, 161, 166, 167, 169, 170, 172, 290, 306, 320, 328, 334, 348
- China  
 silver imports of, 62  
 trade with, 41, 56, 57, 59, 61, 188, 189, 190, 194, 197, 198, 199, 200  
*See also* Guangzhou; silk, trade of; tea trade
- CI. *See* French East India Company  
 CIO. *See* French East India Company
- coal  
 as new energy source, 157, 171, 174, 299, 320, 328, 329, 338  
 Belgian, 150, 151, 166, 290, 320  
 English, 134, 154, 157, 299, 324, 328, 337  
 French, 321, 324  
 trade of, 216, 217  
*See also* mining, coal
- coffee, 64, 214, 279, 316  
 growers of, 193, 199, 201, 205, 207, 226  
 trade of, 75, 188, 189, 191, 192, 194, 195, 196, 203, 207, 208, 209, 268  
*See also* tropical groceries
- Colbert, Jean-Baptiste, 198, 284, 318, 322  
*See also* France, economic policies of
- colonies. *See* agriculture, plantation; Azores; Brazil; Cape Verde Islands; Caribbean; industry, colonial; migration, to colonies; slave trade; slaves; sugar; tobacco; Wild Coast; individual countries, colonies of
- commerce  
 contraband, 58, 63, 68, 71, 77, 78, 81, 85, 86, 194, 197, 204, 206, 211, 222, 225, 311, 314, 316  
 intra-Asian, 57, 59, 60, 62, 63, 74, 76, 81, 87, 189, 190, 192, 195, 196, 199  
 late medieval, 38–45  
*See also* bullion, trade of; chartered companies; entrepôts; fairs; Hanse; Levant, The; markets; mercantilism; retailing; rice, trade of; salt, trade of; skins and hides; slave trade; spices, trade of; tea trade; trade routes; trading posts; individual cities/colonies/countries/regions, commerce
- common lands, 266  
 access to, 16, 96, 108, 115, 116, 120, 265  
 innovations on, 117, 129, 255, 267

- loss of, 20, 95, 96, 97, 103, 105, 112, 113, 114, 115, 144, 235, 254, 258, 260, 265, 270  
 practices on, 97, 117, 119, 255  
 regulation of, 16, 107, 123, 125  
 resources of, 16, 96, 117  
 commons. *See* common lands  
 consumer goods. *See* consumer revolution; consumption  
 consumer revolution, 277, 282  
*See also* consumption  
 consumption  
 auto, 111, 124, 144, 146, 252, 260  
 changes in, 37, 84, 87, 95, 120, 135, 151, 209, 211, 264, 268, 271, 280, 282, 309, 316  
 conspicuous, 46, 101, 106, 108, 109, 141, 143, 239, 240, 256, 267  
 credit and, 45, 255  
 fashion and, 221, 226, 277, 279, 294, 300, 312, 321, 330, 347  
 luxury, 39, 61, 134, 278, 280  
 mass, 25, 136, 143, 149, 155, 278, 280, 347  
 middling, 25, 38, 61, 149, 155, 220, 226, 282, 347  
 new goods for, 4, 38, 55, 57, 87, 94, 98, 136, 182, 193, 227, 280  
 new habits of, 25, 155, 214, 222, 228, 279  
 obstacles to, 54, 95, 96, 126, 144, 147, 180, 195, 239, 304, 308, 313, 316, 324  
*See also* Amerindians, consumption by; industrious revolution; markets; slaves; consumption by; sumptuary laws; taxes, consumption; Portugal, domestic consumption in; Spain, domestic consumption in  
 corporations. *See* guilds  
 corvée. *See* labor services  
 cotton  
 sources of, 64, 69, 170, 192, 201, 207, 208, 210, 225, 311  
 trade in, 59, 203, 208, 209, 211, 212, 219, 268, 283, 309, 311, 336  
 cotton-linens. *See* cottons, mixed-fiber  
 cottons  
 British, 228, 304, 327, 332, 335, 337  
 calico, 61, 195, 334, 335, 336, 337  
 Catalan, 225, 284, 309, 311–12  
 English, 193, 197, 219, 301, 326  
 French, 227, 321, 323, 324, 325, 326, 327  
 government policies regarding, 193, 199, 222, 313, 325, 335  
 Indian, 42, 57, 300, 335, 336  
 mixed-fiber, 25, 26, 46, 79, 141, 148, 150, 154, 167, 300, 301, 305, 306, 314, 315, 320, 325, 335, 336, 341  
 other European, 300, 311, 335, 337, 341  
 printing of, 195, 320, 325, 335  
 Swiss, 314, 335  
 technological innovations in, 294, 314, 324, 334, 335, 336, 337, 346  
 trade of, 41, 59, 61, 198, 210, 211, 217, 327, 337  
 West African, 42, 64  
*See also* Bengal; cotton; Dutch United East India Company; English East India Company; French East India Company; Industrial Revolution, cottons and  
 country trade. *See* commerce, intra-Asian  
 craft. *See* industry  
 credit, 45  
 commercial, 43, 44, 69, 78, 85  
 sources of, 108, 168, 245, 292  
 to artisans, 36, 45, 164, 345  
 to peasants, 97, 244, 255, 260  
 trade, 29  
*See also* capital; debt  
 crops  
 arboreal, 15, 20, 241  
 fodder, 22, 107, 118, 243, 248, 259, 268, 272  
 horticultural, 15, 44, 102, 107, 119, 120, 249  
 industrial, 15, 18, 20, 102, 107, 112, 119, 120, 125, 243, 259  
 de Vries, Jan, 54, 87, 182, 186, 281  
 debt  
 communal, 96, 102  
 consumer, 45  
 landlord, 98, 109  
 merchant, 43, 74, 78, 85  
 peasant, 45, 97, 100, 115, 144, 244, 245, 253, 255, 262, 270  
 state, 6, 79, 94, 96, 147, 181, 223, 316  
*See also* capital; credit  
 demesne, 15, 126, 233, 250  
 cultivation on, 15, 96, 109, 123, 124, 125, 126, 232, 251, 302  
 leasing of, 15, 18, 19, 97, 126, 236, 251  
*See also* demesne lordship  
 demesne lordship, xiii  
 and industry, 126, 127, 144, 145, 173, 237, 273, 289, 302  
 attributes of, 124–28, 146

## 358 Index

- demesne lordship (cont.)  
 changes in, 127, 233–35  
 labor in, 125, 126, 233, 234  
 levies on peasants in, 125, 126, 127, 145,  
 233, 234, 236, 302  
*See also* seigniorialism; proto-industry;  
 serfdom, second
- Denmark  
 agriculture in, 106, 109–10, 233, 250–51  
 Asian trade of, 76, 198  
 industry in, 146, 251, 305  
 taxes in, 251  
*See also* chartered companies; China, silk  
 trade of; Scandinavia; slave trade, other  
 European and American; tea trade
- Dogana, 21, 98, 100, 183, 245  
*See also* wool
- domestic system. *See* putting-out
- Dutch Republic  
 agriculture in, 22–23, 119–23, 238, 247,  
 260–64, 272  
 Asian commerce of, 58, 74, 81, 84, 188,  
 189, 200, 206, 215, 225  
 Atlantic commerce of, 76, 78, 85, 86,  
 187, 188, 200, 202, 204–6, 215  
 Baltic commerce of, 41, 80, 81, 214,  
 215, 216  
 colonies of, 194, 195, 203, 205, 206, 212,  
 225, 316, 353  
 commercial practices of, 81, 86, 160,  
 205, 215  
 economic trends in, 54, 91, 146, 159,  
 162, 176, 247, 263, 281, 312, 314,  
 315, 317  
 financial services in, 53, 75, 161, 215, 217  
 Golden Age of, 9, 138, 158, 181, 216,  
 261, 262, 262, 314, 315, 316, 347  
 industry in, 158–63, 176, 314–18, 335  
 innovations in, 82, 160, 161–62, 317  
 occupational structure of, 120, 162,  
 263, 265  
 other European commerce of, 82, 83,  
 212, 213, 215, 216–17  
 population of, 159, 182, 261, 349  
 protectionism and, 193, 206, 217, 218,  
 225, 227, 278, 316  
 re-exports of, 160, 215, 216, 225, 318  
 taxes in, 121, 261, 316  
 technology in, 28, 161, 163, 172, 317  
 urbanization in, 3, 86, 93, 159, 182, 262,  
 279, 316, 350  
*See also* Amsterdam; beer brewing; Dutch  
 United East India Company; Dutch  
 Revolt; Dutch West India Company;  
 grain, Dutch trade of; Haarlem;  
 Leiden; Levant, The, Dutch trade  
 with; papermaking, in Dutch Republic;  
 peat; pepper, Dutch trade of;  
 shipbuilding, Dutch; ships; slave trade,  
 Dutch; tea trade, Dutch; traffics; wine,  
 Dutch trade of; woollens, Dutch;  
 Zaanstreek
- Dutch Revolt  
 effects on Belgian economy of, 79, 119,  
 151, 153, 259, 318  
 effects on Dutch economy of, 120, 121,  
 133, 260  
 effects on Iberian economies of, 58, 70,  
 85, 86, 94, 96  
 effects on other economies of, 83, 154  
 Dutch United East India Company, 60, 74,  
 76, 77, 190–95, 196, 197, 198, 334  
*See also* bullion, trade of; Dutch Republic,  
 Asian commerce of; tea trade, Dutch  
 Dutch West India Company, 77  
*See also* Dutch Republic, Atlantic  
 commerce of
- dyestuffs, 29  
 cultivation of, 18, 20, 22, 260, 268  
 trade of, 39, 64, 66, 82, 98, 191, 192, 219,  
 268, 283  
*See also* indigo; textiles, raw materials for;  
 woad
- East Africa, 56, 59, 71, 189
- East Elbia  
 agriculture in, 15, 123–28, 179, 232–37  
 commerce of, 213, 214, 219, 301  
 exports of, 124, 125, 144, 145, 214, 226,  
 232, 233, 235, 237, 261, 302, 304  
 imports of, 144, 145, 154, 306, 319  
 industry in, 144–46, 173, 296, 301–4  
 population of, 182, 234, 349  
 urbanization in, 144, 235, 301,  
 304, 350  
*See also* Austria; Bohemia; demesne  
 lordship; Germany, population of;  
 Germany, urbanization in;  
 glassmaking, in East Elbia;  
 ironmaking, in East Elbia; labor  
 services, East Elbian; linens, East  
 Elbian; metallurgical industries, East  
 Elbian; Poland:Prussia; seigniorialism;  
 serfdom, second; Silesia
- economic concepts  
 definitions of, xii–xiii
- EIC. *See* English East India Company
- enclosure, 96, 239, 251, 252  
 in England, 113–17, 119, 265–67, 293  
 in France, 254

- encomienda, 66, 170, 187, 204  
*See also* Amerindians, coerced labor of
- England  
 agriculture in, 111–19, 238, 264–69, 270  
 Asian commerce of, 58, 188, 189, 198, 200  
 Atlantic commerce of, 75, 76, 81, 86, 200, 202, 209, 217  
 colonies of, 206, 217  
 economic policies of, 42, 156, 213, 217, 219, 261, 265, 283, 284, 285, 300, 316, 318, 333, 335  
 economic trends in, 4, 46, 91, 146, 154, 155, 264  
 European commerce of, 73, 83, 149, 151, 213, 216–17, 220  
 exports of, 42, 76, 153, 154, 185, 217, 218, 219, 264, 324, 331  
 imports of, 152, 153, 196, 200, 217, 241, 246, 261, 264, 268, 270, 319, 334  
 industry in, 153–57, 272, 289, 294, 298, 299, 322, 324, 327, 328, 338  
 occupational structure of, 157, 265, 268, 269, 271, 324, 348  
 population of, 113, 154, 264  
 re-exports of, 185, 217  
 taxes in, 42, 197, 329  
 urbanization in, 3, 113, 155, 182, 268, 350  
 wages in, 155, 183, 270  
*See also* beer brewing; Britain; chartered companies; coal, English; cottons, English; English East India Company; glassmaking; Industrial Revolution; Levant, The, English trade with; London; metallurgical industries, English; mining; Navigation Acts; pepper, English trade of; slave trade, English; spices, English trade of; tea trade, English; wool, English exports of; woollens, English
- English East India Company, 74–76, 189, 191, 192, 194, 195–97, 198, 199, 334  
*See also* Bengal; Britain, Asian commerce of; bullion, trade of; China, trade with; England, Asian commerce of; silk
- entrepôts, 56, 59, 78, 165, 205, 216, 346  
*See also* Amsterdam; Antwerp; Goa; Hamburg; Lisbon; London; Manila; Seville
- entrepreneurs  
 agricultural, 101, 249  
 social origins of, 173, 174, 290, 298, 340  
 strategies of, 4, 36, 37, 46, 55, 148, 150, 160, 165, 169, 171, 172, 174, 176, 294, 296, 300, 305, 307, 317, 323, 328, 334, 339, 345, 347  
*See also* artisans, as entrepreneurs; landowners, investments by; proto-industrialization; putting-out; subcontracting
- Estado da Índia, 56, 71, 189  
*See also* Portugal, Asian commerce of
- factories. *See* proto-factories; trading posts
- faïence. *See* porcelain
- fairs, 13, 43, 44, 45, 79, 81, 202
- farmers. *See* peasants
- farming. *See* agriculture
- feitorias. *See* trading posts
- feudalism. *See* seigniorialism
- fish  
 sources of, 16, 56  
 trade of, 41, 82, 214, 228
- fishing, 23, 110, 252  
 organization of, 251, 253, 339, 340
- Flanders. *See* Belgium; Low Countries
- Florence (Italy)  
 woollens industry in, 37, 133, 139, 140, 168
- France  
 agriculture in, 19, 102–6, 238, 253–59  
 Asian commerce of, 76, 189, 198, 200, 217  
 Atlantic commerce of, 76, 81, 86, 201, 202, 208, 217, 226  
 colonies of, 186, 187, 203, 206, 207–8, 211, 212, 216, 218, 226, 227, 256, 322, 324, 340  
 domestic demand in, 149, 150, 227, 321  
 economic policies of, 43, 216, 226, 277, 284, 303, 322, 323, 325, 348  
 economic trends in, 149, 212, 226, 253, 320, 322, 328  
 economic trends in, 103  
 European commerce of, 212, 216, 217–18, 324  
 exports of, 103, 142, 149, 164, 185, 208, 218, 225, 226, 227, 238, 256, 321, 324, 326, 327  
 imports of, 152, 185, 199, 208, 209, 246, 319  
 industry in, 135, 138, 146, 148–50, 258, 320–27  
 occupational structure of, 324  
 population of, 103, 149, 180, 182, 253, 256, 321, 349  
 re-exports of, 185, 216, 218, 225, 226

## 360 Index

## France (cont.)

- silk industries in, 148, 149, 279, 320
- taxes in, 103, 105, 106, 149, 253, 256, 321, 324
- transport in, 105, 258
- urbanization in, 103, 106, 149, 180, 256, 350
- wages in, 149
- See also* coal, French;
  - cottons, French; enclosure, in France; French East India Company; glassmaking, in France; grain, French trade of; Industrial Revolution, France and; ironmaking, in France; Levant, The, French trade with; linens, French; Lyon; metallurgical industries, French; mercantilism; papermaking, in France; Paris; shipbuilding, French; slave trade, French; Wars of Religion; wine, French trade of; woollens, French
- French East India Company, 198–200
- fustians. *See* cottons, mixed-fiber

GDP. *See* Gross Domestic Product

- Geneva (Switzerland), 43, 172, 314
- economic policies in, 136, 148
- industry in, 136, 168, 314

## Genoa (Italy)

- merchants of, 41, 72, 73, 83, 213

## Germany

- population of, 349
- urbanization in, 350
- See also* East Elbia; Western Germany
- glassmaking, 144, 147, 153, 158, 171, 310, 317
- in Belgium, 151, 152
- in East Elbia, 27, 145, 173, 301, 302, 303, 341
- in France, 285, 322, 323
- in Venice, 25, 134, 214
- innovations in, 157, 323, 329
- organization of, 27, 174–75

## globalization

- definitions of, 87

## Goa (India), 56, 59, 60, 71

- See also* entrepôts; Portugal, Asian commerce of

## gold

- Asian, 59, 62, 190, 192
- Brazilian, 185, 189, 200, 202, 203, 204, 224, 225, 311
- Spanish American, 62, 63, 84, 95, 190, 202
- West African, 41, 42, 44, 62, 64, 84, 187
- See also* bullion, trade of

## grain

- Baltic trade of, 41, 73, 80, 83, 109, 120, 124, 159, 214, 233, 235, 263
- Belgian trade of, 22, 79, 235, 260
- British trade of, 213, 214, 217, 219, 233, 235, 264
- cultivation of, 16, 19, 22, 30, 68, 96, 245
- Dutch trade of, 80, 81, 82, 216
- French trade of, 86, 87, 218, 238, 256
- organization of trade of, 21, 39
- other trade of, 39, 68, 97, 110, 235, 242
- prices of, 18, 37, 51, 113, 128, 243, 244, 249, 249, 330
- Sicilian trade of, 24, 39, 98
- yields of, 21, 93, 94, 96, 98, 107, 112, 118, 128, 239, 242, 252, 254, 261, 264, 266, 290
- Great Divergence, 9
- Gross Domestic Product, 4, 44, 46, 162, 337
- definition of, xiii

## growth

- debates about, 4–6, 8, 51, 54, 227, 345, 347
- definition of, xii
- Schumpeterian, 6n6

## Guangzhou (China), 56, 189, 194

## guilds

- and innovation, 136, 147, 150, 157, 165, 280, 304, 311, 323
- and politics, 31, 34, 141, 148, 152, 168, 288, 313
- debates about, 31–32
- divisions within, 34, 168
- functions of, 24, 31–32, 37, 45, 167, 283
- limits of, 32, 36, 37, 150, 156, 161, 167, 168, 173, 284, 290, 297, 303, 305, 306, 341
- merchant, 30, 44, 69, 72, 86, 167, 312
- origins of, 30
- putting-out and, 35, 143, 297, 338
- regulations of, xii, 29, 31, 35, 36, 37, 149, 165, 277, 291, 313, 323, 346
- women and, 33–34, 281
- See also* apprentices; artisans; journeymen; laborers

## Haarlem (Dutch Republic)

- linen industry of, 158, 159, 161, 315, 317

## Habsburg Empire

- attempts to reform seigniorial system in, 233, 236
- commerce of, 81, 198, 213, 278

- economic policies of, 284, 303, 319  
*See also* Austria; Bohemia; East Elbia
- Hamburg (Western Germany)  
 commerce of, 154, 214, 216, 289  
 industry in, 151, 154, 216
- Hanse, 41, 80, 83, 214  
 organization of, 41, 80
- hides. *See* skins and hides
- Hobsbawm, Eric, 181, 182  
*See also* seventeenth-century crisis
- Holland. *See* Dutch Republic
- Iberia. *See* Portugal; Spain
- India. *See* Bengal; cottons, Indian; Dutch United East India Company; English East India Company; French East India Company; Goa; individual countries/regions, Asian commerce of
- indigo, 61, 64, 66, 195, 196, 201, 203, 207, 208, 226, 254, 309, 339  
*See also* dyestuffs
- Indonesia  
 European trade with, 57, 58, 76, 190, 192, 194, 198  
*See also* pepper; trading posts
- Industrial Revolution  
 Belgium and, 320  
 Britain and, 328–38  
 cottons and, 334–37  
 France and, 322–27  
 interpretations of, 298–301  
*See also* capitalism
- industrious revolution, 281–82, 290
- industry  
 colonial, 94, 142, 170, 210, 224  
 definition of, xiii  
 import substitution, 4, 87, 153, 283, 320, 321, 332  
 late medieval, 24–29, 37–38  
 luxury, 33, 46, 139, 140, 149, 151, 152, 155, 163, 284, 297, 302, 303, 304, 305, 309, 315, 318, 320, 321, 322, 328  
 mobility of, 25–26  
 raw materials for, 4, 141, 156, 165, 171, 214, 215, 228, 244, 247, 263, 268, 271, 272, 301, 326, 328, 346, 347  
*See also* beer brewing; cottons; glassmaking; Industrial Revolution; ironmaking; knitting; lacemaking; leather; linens; machines; mercantilism; metallurgical industries; mining; papermaking; porcelain; pottery; printing; proto-factories; proto-industry; putting-out; salt; processing of; shipbuilding; silk; sugar, refining of; textiles; woollens; individual cities/countries/regions, industry in
- Ireland  
 agriculture in, 156, 269, 271, 332  
 commerce of, 211, 220, 226, 268, 331  
 industry in, 156, 332, 334, 335  
 population of, 182, 349  
 urbanization in, 269, 279, 350  
*See also* Britain; linens, Irish
- ironmaking, 147  
 blast furnaces in, 28, 145, 150, 157, 164, 171, 309, 330  
 bloomeries in, 28, 157, 277  
 capital requirements of, 145, 164, 171  
 forges in, 141, 147, 152, 174, 293  
 foundries in, 145, 150, 309  
 in Belgium, 150, 152, 174  
 in East Elbia, 127, 145, 302, 303  
 in England, 33, 153, 157, 337, 338  
 in France, 135, 149, 275, 321, 324  
 in Spain, 141, 142, 277, 293, 309  
 in Sweden, 146, 291  
 markets for, 63, 153, 210, 211, 217  
 organization of, 33, 290, 291, 339  
 products of, 141, 145, 152
- Italy  
 agriculture in, 19, 20, 21, 98–102, 238, 242–47  
 commerce of, 41, 44, 72, 83, 213  
 commercial practices in, 43, 44, 82, 346  
 economic policies in, 100, 141, 309  
 economic trends in, 139, 237, 242  
 exports of, 214, 306, 307, 308  
 imports of, 149, 152, 214, 319  
 industry in, 26, 100, 139, 305–8  
 population of, 140, 180, 349  
 silk industries in, 44, 134, 139, 140, 246, 275, 286, 305, 306, 307, 308  
 taxes in, 100, 101, 139, 140  
 urbanization in, 39, 93, 100, 140, 181, 350  
*See also* Florence; Genoa; glassmaking, in Venice; ironmaking, in Italy; Levant, The, Italian trade with; Lombardy; metallurgical industries, Italian; papermaking, in Italy; silk, technology of; spices, Italian trade of; Tuscany; Venice; woollens, Italian

## 362 Index

- Japan  
 copper of, 190  
 trade with, 56, 57, 59, 60, 63, 76, 188, 189, 190  
*See also* silver; Japanese; individual countries/regions, Asian commerce of  
 journeymen, 313  
 work conditions of, 31, 32, 34, 36, 37, 166, 174, 175, 293, 305  
*See also* guilds; laborers
- Kaufsystem, 35, 164, 287, 292  
*See also* artisans; industry; putting-out
- knitting  
 frame for, 137, 157, 168, 291, 293, 297, 298, 314, 329  
 of stockings, 136, 156, 172, 304, 321
- Koppelwirtschaft. *See* agriculture, convertible husbandry in; East Elbia, agriculture in
- labor *see* agriculture; artisans; apprentices; children; guilds; industry; journeymen; labor services; laborers; proto-industry; putting-out; subcontracting; women
- labor services, 66  
 commutation of, 15, 18, 19, 24, 125, 127, 233, 234, 236, 251, 270, 302  
 East Elbian, 124, 125, 126, 127, 145, 233, 234, 235, 236, 296  
 in western Europe, 101, 108, 248, 270  
 medieval, 15, 25  
 Scandinavian, 251, 252  
*See also* demesne; demesne lordship; seigniorialism; serfdom, second
- laborers  
 day, 21, 97, 98, 100, 101, 103, 106, 112, 120, 240, 243, 245, 249, 251, 252, 264, 271  
 part-time, 30, 109, 271  
 wage, 18, 24, 29, 30, 33, 36, 173, 265, 346  
*See also* apprentices; artisans; children; journeymen; peasants; slaves; women
- lacemaking, 153, 297, 328
- land  
 reclamation of, 13, 23, 93, 98, 99, 101, 102, 107, 112, 115, 117, 121, 122, 183, 262
- landlords. *See* landowners
- landowners  
 bourgeois, 20, 21, 99, 104, 105, 122, 173, 250, 254, 260, 263  
 divisions within, 19, 109, 128, 239, 266  
 ecclesiastical, 14, 20, 96, 104, 107, 170, 242, 246, 251, 254, 263  
 incomes of, 14, 19, 24, 44, 97, 124, 135, 243, 245, 245, 247, 258, 267, 270  
 innovation by, 20, 93, 101, 115, 117, 119, 235, 243, 246, 255, 260, 265, 267, 270, 289  
 investment by, 20, 46, 101, 129, 173, 236, 244, 246, 268, 271  
 levies by, xiii, 17, 97, 100, 101, 103, 105, 107, 108, 111, 125, 128, 246, 249, 251, 258, 304  
 mentalities of, 108, 115, 119, 238, 246, 256, 262  
 noble, 3, 14, 20, 96, 104, 105, 109, 111, 117, 127, 173, 239, 242, 250, 252, 254, 260, 263, 269, 307  
 peasant, xiii, 22, 104, 110, 111, 121, 243, 248, 250, 251, 252, 263  
 royal, 109, 250, 252  
 strategies of, 96, 105, 106, 107, 109, 118, 237, 244, 246, 248, 289  
*See also* debt, landlord; demesne lordship; East Elbia; seigniorialism
- latifundia, 21, 96, 129, 245, 251
- leather  
 industry, 24, 134, 144, 155, 158, 310, 313, 322  
 trade of, 25, 142, 203, 210  
*See also* skins and hides
- Leiden (Dutch Republic)  
 textile industry in, 133, 134, 158, 159, 160, 161, 297, 314
- Levant, The  
 British trade with, 327, 331  
 Dutch trade with, 82, 83, 140, 214  
 English trade with, 74, 80, 140, 214  
 French trade with, 83, 140, 149, 200, 208, 214, 321, 323, 326, 327  
 Iberian trade with, 41, 54, 141, 142  
 Italian trade with, 41, 54, 140, 142, 214, 306  
 overland trade with, 84
- Liège (Belgium)  
 industry in, 152, 319  
 mining near, 140, 150, 166, 319
- light drapery. *See* woollens, light drapery
- linens  
 Belgian, 46, 79, 134, 150, 152, 318, 319, 320  
 East Elbian, 145, 301, 306, 322, 340  
 French, 134, 148, 226, 282, 321, 323, 326  
 Irish, 185, 211, 219, 220, 289, 304, 322, 332, 333, 333

- manufacture of, 30, 148, 150, 152, 165, 168, 260, 275, 286, 288, 290, 291, 292, 297, 334, 336, 338  
 other European, 46, 141, 143, 224, 261, 288, 305, 306, 315, 317, 328  
 Scottish, 185, 219, 220, 223, 289, 304, 332, 333  
 trade of, 41, 42, 63, 68, 73, 79, 134, 146, 149, 200, 210, 214, 216, 219, 220, 275, 282, 322, 327, 332  
*See also* Haarlem, linens industry of; Silesia, linens industry of  
 Lisbon (Portugal)  
   commerce of, 53, 56, 61, 64, 70, 79, 81, 83, 85, 213  
   *See also* entrepôts  
 little divergence, 9, 126, 232, 237, 242, 312  
 Lombardy (Italy)  
   agriculture in, 20, 98, 101, 243, 307  
   industry in, 139, 167, 306, 307  
 London (England)  
   commerce of, 42, 73, 75, 214, 218, 328  
   industry in, 155, 163, 328  
   population of, 114, 155, 268  
 long eighteenth century, 182, 312  
   agricultural trends during, 183, 272  
   commercial trends during, 55, 186, 189, 212, 222, 228  
   industrial trends during, 182, 183, 286, 301, 338  
 long sixteenth century, 9, 51  
   agricultural trends during, 91, 128–29  
   commercial trends during, 53, 61, 69, 84, 87, 88  
   debates about, 51–52  
   industrial trends during, 133, 138, 146, 163, 166  
 Low Countries  
   agriculture in, 22, 91, 119, 120, 129, 259  
   commerce in, 53, 81, 216  
   industry in, 26, 150, 151  
   *See also* Belgium; Dutch Republic  
 machines  
   breaking of, 324, 347  
 maize, 87, 94, 105, 130, 185, 235, 238, 240, 243, 244, 254  
 Malthus, Thomas Robert  
   demographic theory of, 5, 179, 180  
 Manila (Philippines)  
   as trade hub, 57, 59, 60  
   galleons, 56, 57, 61, 63, 72, 85, 94, 134  
   *See also* entrepôts; Spain, Asian commerce of  
 manorialism. *See* seigniorialism  
 manors  
   attributes of, 14–15  
   changes in, 19, 24, 109, 111, 302  
   *See also* demesne; demesne lordship  
 manufactories. *See* proto-factories  
 manufacturing. *See* industry  
 markets  
   definitions of, xii  
   efficiency gains in, 4, 268, 269  
   expansion of, 38, 54, 112, 139, 154, 160, 269, 346  
   integration of, 46, 87, 222, 239, 258, 269, 307, 324  
   regulation of, xii, 34, 147, 286  
   restrictions on, 3, 24, 32, 37, 54, 69, 127, 165, 198, 240, 283, 284, 345, 347  
   *See also* capital, markets for  
 Marx, Karl  
   theory of rise of capitalism of, 6–7, 54, 276, 286, 347  
 Mediterranean Europe  
   agriculture in, 16, 20, 92, 237  
   industry in, 139, 305  
   population of, 349  
   urbanization in, 350  
   *See also* Italy; Portugal; Spain  
 mercantilism, 186, 206, 210, 218, 225, 226, 227, 283, 302, 303, 309, 313, 331, 334  
   *See also* commerce, regulation of; Navigation Acts  
 merchants  
   nations of, 69, 78, 81, 85  
   networks of, 4, 44, 45, 57, 59, 64, 69–70, 78, 80, 84, 140, 160, 187, 213, 214, 242, 345  
   subnetworks of, 69, 78, 80, 87  
   *See also* capital, merchant; chartered companies; commerce; debt, merchant; Dutch United East India Company; Dutch Republic, commercial practices of; Dutch West India Company; English East India Company; French East India Company; Genoa, merchants of; guilds, merchant; Italy, commercial practices in; markets; monopolies, merchant; putting-out, merchants and; slave trade  
 Mesta, 21, 42, 95  
   *See also* wool, Spanish exports of  
 metallurgical industries, 24, 26, 170, 173, 223, 283, 297, 305  
   Belgian, 135, 150, 151, 319, 320  
   East Elbian, 145, 301, 302, 304

## 364 Index

- metallurgical industries (cont.)  
 English, 155, 156, 296, 328, 330, 347  
 French, 135, 148, 149, 322, 323  
 Italian, 135, 139, 140, 167, 306  
 Western German, 135, 146, 147, 313  
 mezzadria. *See* sharecropping  
 migration, 86  
 effects on industry of, 37, 135, 136, 146, 151, 159, 166, 284, 289, 293, 313, 314, 317, 333  
 peasant, 15, 20, 97, 107, 108, 110, 111, 120, 236  
 religious, 136, 148, 313, 314  
 to colonies, 66, 97, 170, 188  
*See also* slave trade  
 Milan, duchy of (Italy)  
*See* Lombardy  
 millones. *See* Spain, taxes in; taxes, consumption  
 mills, 24, 35, 164, 173, 174, 318  
 fulling, 28, 156, 161, 295, 296, 298  
 paper, 29, 154, 275, 315, 317  
 saw, 146, 161, 318  
 sugar, 206, 340  
 water, 30, 154, 307, 329  
 wind, 23, 28, 159, 161, 162, 174, 263  
 mining  
 coal, 150, 271, 290, 299, 320, 324  
 copper, 82, 110, 134, 139, 145, 146, 147, 171, 252  
 iron, 82, 110, 139, 146, 154, 249, 252, 320  
 lead, 145  
 mercury, 63, 68, 141, 142, 171  
 silver, 28, 29, 43, 67, 138, 139, 141, 145, 147, 200  
*See also* coal; Japan, copper of; laborers, mine; Liège; silver; individual countries/regions, mining in  
 money-lending. *See* credit; debt  
 monopolies  
 chartered-company, 54, 73, 75, 77, 187, 194, 195, 196, 198, 199, 200, 212  
 commercial, 41, 53, 58, 71, 73, 74, 78, 86, 190, 191  
 government, 6, 68, 70, 71, 73, 85, 173, 211, 241, 303, 316  
 guild, 31, 32, 304, 313  
 industrial, 141, 147, 175, 284, 310, 320  
 merchant, 165, 167, 227  
 seigniorial, 14, 24, 101, 108, 127, 145, 245  
 urban, 26, 298, 306  
 mulberry trees, 21, 99, 102, 244, 244, 246, 289  
*See also* silk  
 Navigation Acts, 217, 218, 227, 284, 335  
*See also* Britain, economic policies of; England, economic policies of; mercantilism  
 Netherlands. *See* Belgium; Dutch Republic; Low Countries  
 new drapery. *See* woollens, new drapery  
 newspapers, 82, 222, 279  
 northwestern Europe, xiv  
 agriculture in, 92, 102, 183, 238, 239, 242, 248, 258  
 commerce of, 55, 57, 70, 185, 189, 212, 213, 214, 220  
 consumption in, 281, 283  
 economic performance in, 4, 6, 9, 84, 91, 128, 134, 138, 163, 175, 182, 212, 222, 232, 247, 312  
 industry in, 146, 175, 283  
 population of, 134, 135, 180, 182, 234, 349  
 urbanization in, 180, 329, 350  
*See also* Belgium; Britain; Dutch Republic; England  
 Norway  
 agriculture in, 110, 251  
 imports of, 110, 252  
 industry in, 146  
 population of, 110, 252  
 oats, 116, 121, 261, 270  
*See also* grain; Scotland, agriculture in  
 occupational structure. *See* individual countries/regions, occupational structure of  
 old drapery. *See* woollens, old drapery  
 Ottoman Empire  
 commerce with, 41, 73, 139, 140, 142, 145, 220  
 trade policy of, 54, 83, 321  
 papermaking, 317  
 in Dutch Republic, 158, 159, 161, 275, 292, 315, 317, 321  
 in England, 154, 321  
 in France, 148, 321, 322, 323  
 in Italy, 141, 307  
 in Portugal, 310  
 Paris (France)  
 agriculture near, 102, 103, 104, 254  
 industry in, 33, 148, 318  
 population of, 106, 155

- pastel. *See* woad
- peasants  
 cottagers, 18, 104, 106, 108, 109, 110, 120, 249, 269, 271, 281  
 differentiation among, 17–18, 104, 108, 109, 110, 119, 128, 129, 250, 251, 253, 263  
 dispossession of, 6, 104, 105, 112, 115, 149, 243, 247, 250, 270  
 elite, 18, 91, 103, 105, 106, 108, 109, 110, 111, 112, 115, 118, 119, 130, 248, 249, 254, 255, 258, 260, 262, 263, 264, 269  
 government policies toward, 107, 111, 234, 249  
 holdings of, 14, 15–16, 17, 19, 23, 24, 107, 115, 116, 117, 119, 120, 121, 123, 126, 127, 129, 236, 246, 248, 255, 265  
 industrial labor of, 25, 27, 30, 107, 116, 127, 152, 166, 175, 250, 251, 258, 260, 261, 264, 286, 290, 292, 293, 302, 304, 306, 307, 309, 313, 325  
 innovations by, 96, 98, 101, 105, 107, 113, 117, 118, 121, 122, 125, 129, 130, 235, 240, 243, 250, 251, 254, 259, 260, 261, 262, 266, 269  
 landless, 18, 108, 109, 110, 116, 120, 129, 251, 254, 281, 294, 319  
 landpoor, 18, 129, 252, 254  
 middling, 18, 103, 107, 118, 254, 269  
 rebellions by, 15, 106, 115, 117, 125, 126, 147, 233, 249, 252  
 smallholders, 91, 104, 106, 107, 109, 110, 111, 116, 118, 120, 249, 249, 251, 254, 262, 263, 264, 265, 269, 271, 281, 292, 319  
 strategies of, 23, 46, 93, 96, 106, 107, 108, 110, 111, 120, 256, 258  
*See also* agriculture; common lands; credit, to peasants; debt, peasant; demesne lordship; laborers; landholdings; landowners, peasant; mezzadria; migration, peasant; putting-out, peasants and; individual countries/regions, agriculture in
- peat, 120, 121, 160, 172, 173, 317  
 digging of, 23, 121, 170, 173
- pepper  
 Dutch trade of, 81, 82, 190, 192, 193  
 English trade of, 76, 192, 194, 195, 196  
 European demand for, 76, 84, 188  
 Portuguese trade of, 58, 59, 61, 71, 72, 79, 189
- Persia  
 commerce with, 190, 193  
 trade goods of, 61, 83, 190, 195  
*See also* silk, trade of; individual countries/regions, Asian commerce of
- Physiocrats, 236, 254
- Poland  
 agriculture in, 124, 125, 179, 232, 234  
 commerce of, 124, 125, 235  
 industry in, 127, 145, 275  
 mining in, 145  
 population of, 349  
 urbanization in, 350
- population. *See* individual countries/regions, population of
- porcelain  
 producers of, 284, 303, 304, 309, 320, 322  
 trade of, 59, 60, 61, 68, 84, 189, 194
- Portugal  
 agriculture in, 85, 93–94, 97, 121, 241–42, 309  
 Asian commerce of, 56, 57, 58, 59, 71, 189  
 Atlantic commerce of, 41, 42, 55, 56, 57, 68, 70, 72, 202  
 colonies of, 64, 65, 66, 201, 203, 204, 311  
 commercial institutions of, 57, 70, 71, 73, 85  
 domestic consumption in, 222, 242, 309  
 economic policies of, 241, 309, 310  
 economic trends in, 85, 141, 308  
 European commerce of, 79, 185, 213  
 exports of, 213, 220, 225, 241  
 imports of, 61, 70, 224, 225, 242, 319, 334  
 industry in, 85, 143, 224, 242, 288, 290, 309, 310, 311  
 population of, 349  
 urbanization in, 84, 93, 242, 279, 350  
*See also* Azores; Brazil; Dutch Revolt, effects on Iberian economies of; entrepôts; Lisbon; papermaking, in Portugal; pepper, Portuguese trade of; shipbuilding, Portuguese; slave trade, Portuguese; spices, Portuguese trade of; West Africa, Portuguese trade with; wine, Portuguese trade of
- potatoes, 98, 112, 185, 235, 240, 249, 259, 260, 261, 262, 269, 269, 319
- Potosí, 63, 67, 68, 72  
*See also* mining, silver; silver, American
- pottery, 158, 219, 281, 315, 329

## 366 Index

- printing  
 centers of industry of, 44, 134, 137, 148, 151, 152, 158, 315  
 European adoption of, 26, 51, 136  
 workplace organization in, 137, 171
- productivity  
 declining, 44, 85, 91, 93, 94, 98, 100, 110, 113, 118, 128, 129, 242, 245, 247, 251, 264, 272  
 definition of, xii  
 effects on demand of, 38, 151, 214, 239, 269, 278, 309, 313, 315, 321  
 effects on labor supply of, 240, 263  
 gains in, xii, 4, 26, 28, 47, 51, 54, 55, 91, 93, 98, 99, 114, 116, 137, 154, 157, 162, 172, 176, 183, 223, 227, 235, 237, 240, 240, 253, 256, 258, 264, 267, 268, 269, 272, 294, 299, 329, 333, 337, 338, 346, 348  
 labor, 98, 130, 238, 240, 243, 247, 253, 261, 272  
 land, 97, 243, 247, 253, 261  
 low, 3, 106, 107, 108, 111, 120, 129, 144, 171, 244, 248, 250, 251, 252, 297  
 shipping, 39, 82  
 total factor, 253
- proto-factories, 4, 169, 170, 173, 287, 294–96, 298, 326, 339, 340, 347  
 putting-out and, 296, 323  
 technology and, 294, 296, 335
- proto-industrialization  
 critiques of, 287  
 theory of, 286–87  
*See also* proto-industry
- proto-industry, xiii  
 advantages of, 289, 292, 299, 341  
 entrepreneurs and, 290, 291, 298, 302, 305, 338  
 labor supply and, 286, 287, 288, 289, 293, 319, 325  
 obstacles to, 288, 289  
 problems of, 291, 304, 341  
 technology and, 293, 313, 338  
*See also* proto-industrialization
- Prussia  
 agriculture in, 233, 234  
 commerce of, 198  
 economic policies of, 236, 284, 303  
 industry in, 145, 284, 303
- putting-out  
 artisans and, 34, 35, 36, 38, 45, 167, 174, 291, 297  
 capital and, 35, 168, 175  
 labor in, 35, 36, 168, 170, 291, 293, 317, 341  
 merchants and, 35, 150, 167, 174, 292, 334  
 organization of, 35–36, 38, 166–68, 174, 175, 296, 338, 339, 340  
 peasants and, 166, 292, 293, 302, 309, 313, 321, 325  
*See also* guilds, putting-out and; proto-industry; proto-industrialization
- retailing, 44, 121, 220–22, 280
- rice, 235, 244  
 cultivation of, 20, 21, 93, 101, 243  
 trade of, 201, 205, 265, 268
- robot. *See* labor services, East Elbian
- Russia, 284  
 commerce with, 41, 82, 83, 145, 213, 216  
 trade goods of, 73, 82, 261, 339
- rye  
 cultivation of, 110, 120  
 trade of, 124, 233, 235, 252  
*See also* grain
- salt  
 processing of, 157, 158, 160, 170, 171, 320, 329  
 trade of, 39, 41, 64, 77, 79, 80, 82, 83, 149, 164, 213, 214, 216, 222, 227
- Scandinavia  
 agriculture in, 15, 108, 111, 250, 253  
 commerce of, 82, 145, 198, 214, 219  
 industry in, 146, 219, 304  
 population of, 3, 109, 349  
 urbanization in, 350  
*See also* Denmark; Norway; Sweden-Finland
- Scotland  
 agriculture in, 269, 270, 271  
 commerce of, 209, 211  
 industry in, 223, 271, 284, 332, 334, 335  
 population of, 349  
 urbanization in, 182, 270, 350  
*See also* Act of Union; Britain; linens, Scottish; tobacco, trading of
- seigniorialism, 23, 91, 92, 126, 127, 128  
*See also* East Elbia, demesne lordship in
- serfdom, 14, 101, 123, 126, 150, 270  
 second, 91, 124  
*See also* East Elbia, demesne lordship in; seigniorialism
- Seven Years' War, 186, 199, 207
- seventeenth-century crisis, 179  
 economic effects of, 180–81, 182  
 interpretations of, 179–82

- Seville (Spain)  
 commerce of, 42, 53, 66, 70, 72, 79, 83, 86  
*See also* Cádiz; entrepôts
- sharecropping, 21, 241, 246  
 characteristics of, 19, 101, 141  
 effects of, 45, 99, 242, 244, 244, 246, 255, 289  
*See also* agriculture, tenurial systems in
- shipbuilding, 171, 181, 224, 277  
 Dutch, 86, 110, 146, 152, 158, 159, 161, 162, 215, 275, 315  
 French, 135, 323  
 innovations in, 4, 28, 80, 161–62  
 Portuguese, 80, 85, 143  
 Spanish, 85, 86, 141, 142
- ships  
 types of, 29, 39, 80, 162, 191  
*See also* transport
- siamoise. *See* cottons, mixed fiber
- Silesia, 154  
 agriculture in, 125, 234  
 linen industry of, 145, 168, 185, 289, 302, 322  
 mining in, 140, 145  
*See also* proto-industry, demesne lordship and
- silk  
 cocoon cultivation for, 99, 102, 244, 246  
 technology of, 139, 294, 296, 297, 300, 306, 307, 308, 334, 337  
 trade of, 41, 59, 60, 61, 68, 79, 82, 83, 192, 193, 196, 210, 214, 219, 327  
 weaving of, 33, 151, 158, 168, 170, 171, 244, 285, 340  
*See also* China, trade with; Dutch United East India Company; English East India Company; France, silk industries in; Italy, silk industries in; mulberry trees; Spain, silk industries in
- silver  
 American, 54, 63, 67, 84, 95, 139, 141, 179, 186, 190, 200, 202, 225  
 Central European, 28, 29, 62, 79, 138  
 Japanese, 59, 60, 63, 189, 190  
*See also* bullion, trade of; China, silver imports of; mining, silver; Potosí
- skins and hides, 16, 22, 35, 60, 64, 66, 73, 82, 141, 153, 203, 207, 210, 212, 249, 270  
*See also* leather
- slave trade, 200, 201, 223, 224  
 and capitalism, 6, 54, 223, 347  
 Brazilian, 203, 204, 352  
 British, 204, 206, 207, 208, 211, 223, 227, 228, 332, 335, 352  
 Dutch, 77, 205, 206, 208, 223, 352  
 English, 73, 187, 205, 223  
 French, 73, 187, 205, 206, 207, 208, 216, 223, 321, 325, 352  
 from Africa, 41, 42, 54, 59, 64, 68, 84, 187, 188, 201, 282, 351  
 from Asia, 59  
 of Amerindians, 65  
 other European and American, 73, 352  
 Portuguese, 59, 64, 68, 73, 86, 187, 189, 204, 205, 224, 352  
 profits of, 85, 223  
 Spanish, 67, 73, 187, 204, 352  
 United States, 212, 352
- slaves  
 agricultural labor of, 15, 64, 65, 66, 201, 202, 206, 207, 340  
 Atlantic regional disembarkations of, 204, 353  
 consumption by, 134, 207, 208, 210, 214, 225, 251, 282, 311, 322, 324, 332  
 industrial labor of, 64, 66, 170  
 mining by, 66, 147  
 numbers shipped to Americas of, 66, 67, 68, 84, 205, 208, 228, 351  
 rebellions by, 206  
*See also* plantations; slave trade
- Smith, Adam  
 on restraints to economic growth, 31, 54, 227, 283, 347  
 theory of economic change of, 4–5, 54, 276, 346  
*See also* capitalism; growth; mercantilism
- smuggling. *See* commerce, contraband
- Southeast Asia  
 trade with, 57, 58, 59, 62, 76  
*See also* Indonesia; trading posts
- Spain  
 agriculture in, 92–98, 237–41, 238  
 Asian commerce of, 56, 57, 59  
 Atlantic commerce of, 57, 68, 70, 72, 202, 203  
 colonies of, 58, 65, 66, 67, 68, 86, 93, 94, 141, 142, 153, 154, 170, 201, 202, 203, 204, 207, 211, 212, 225, 310, 311, 319  
 commercial institutions of, 53, 70, 72–73  
 domestic consumption in, 93, 95, 96, 140, 144, 240, 241, 308  
 economic policies of, 73, 142, 202, 206, 218, 237, 239, 309, 310

## 368 Index

## Spain (cont.)

- economic trends in, 93, 94, 97, 141, 142, 237, 240, 308
- European commerce of, 213, 216
- exports of, 142, 144, 225
- imports of, 94, 144, 154, 319
- industry in, 141–44, 308, 310
- population of, 95, 142, 180, 238, 240, 349
- silk industries in, 68, 142, 143, 309, 310
- taxes in, 95, 96, 97, 98, 143, 240, 308
- transport in, 143, 222, 239
- urbanization in, 84, 93, 95, 97, 142, 181, 238, 240, 350
- wages in, 97, 143, 225, 308
- See also* Basque provinces; bullion, trade of; Cádiz; Catalonia; Dutch Revolt, effects on Iberian economies of; entrepôts; ironmaking, in Spain; Mesta; Seville; shipbuilding, Spanish; slave trade, Spanish; Valencia; wool; woollens, Spanish
- spices
  - demand for, 76, 84, 188, 191, 268
  - Dutch trade of, 74, 81, 82, 190, 191, 192, 193, 194
  - English trade of, 76, 195
  - Italian trade of, 41, 83, 214
  - Portuguese trade of, 41, 57, 58, 59, 61, 71, 72, 79, 80, 189
  - See also* tropical groceries
- steam engine, 299, 320, 330, 338, 348
- subcontracting, 34, 35, 36, 161, 167, 169, 173, 175, 323
- See also* putting-out
- sugar
  - American, 94, 101, 201, 203
  - and slavery, 64, 65, 204, 207, 210, 211, 224
  - Asian, 189, 190, 192, 193
  - Brazilian, 65, 70, 77, 81, 84, 185, 203, 224
  - other producers of, 39, 42, 65, 93, 101
  - output of, 65, 226
  - plantations for, 21, 42, 65, 207, 340
  - refining of, 29, 77, 134, 151, 158, 160, 171, 214, 215, 216, 226, 271, 284, 315, 317, 318, 320, 322, 328, 329
  - revolution, 206–7
  - trade of, 70, 71, 77, 78, 79, 81, 82, 83, 84, 85, 192, 207, 208, 209, 211, 212, 268
  - West Indian, 65, 185, 193, 203, 204, 207, 226
  - See also* tropical groceries
- sumptuary laws, 225, 277, 278

## Sweden-Finland

- agriculture in, 110–11, 252–53
- economic policies in, 284, 285, 305
- industry in, 146, 252, 285, 290, 291, 304, 305
- mining in, 82, 134, 252
- taxes in, 111, 252
- See also* chartered companies; China, silk trade of; Scandinavia; tea trade
- Switzerland
  - agriculture in, 107, 249
  - industry in, 146–48, 314, 335
  - population of, 349
  - urbanization in, 350
  - See also* Geneva

## tanning, 126, 171, 203, 293

*See also* leather

## taxes

- consumption, 96, 143, 256
- See also* individual countries, taxes in
- tea trade, 59, 188, 189, 194, 198, 199, 210, 268
- Dutch, 190, 191, 192, 193, 194, 205
- English, 194, 196, 197

tenures. *See* agriculture, tenurial systems in textiles

- raw materials for, 39, 79, 82, 93, 98, 179, 219, 237, 240, 260, 268, 309
- See also* cotton; cottons; dyestuffs; indigo; knitting; lacemaking; Leiden, textile industry in; linens; silk; woad; wool; woollens

## Thirty Years' War, 106, 107, 110, 147, 149, 180, 233, 249, 256, 288

tithes. *See* agriculture, levies on

## tobacco, 64, 66, 207

- Brazilian, 64, 68, 189, 203, 204, 224
- Chesapeake Bay, 76, 209, 211, 261
- European, 118, 130, 254, 261
- processing of, 214, 215, 224, 315, 316, 320, 328
- trade of, 199, 201, 211, 222, 261, 268, 284

*See also* tropical groceries

trade. *See* commerce

## trade routes, 41, 54

- Atlantic, 13, 41, 42, 56
- European, 39, 41, 42, 43, 79, 82, 83, 160, 214, 215
- integration of, 53, 59, 81, 83, 86, 346
- new intercontinental, 41, 55, 56, 57, 60, 84
- trading posts, 41, 55, 57, 60, 70, 71, 76, 77, 79, 97, 196, 205

- transactions costs, 256  
   burden of, 222, 258, 323  
   definition of, 4  
   reduction of, 156, 312  
 transport  
   canal, 22, 121, 122, 279, 303, 329  
   improvements in, 28, 80, 162, 267, 279, 303, 320, 329  
   problems affecting, 42, 61, 69, 105, 140, 170, 242, 258, 324  
   riverine, 22, 151, 279, 303  
   road, 22, 62, 151, 242, 279, 303, 329  
   ship, 28, 39, 60, 62, 80, 162  
   *See also* France, transport in; Spain, transport in  
 tropical groceries, 283  
   consumption of, 208, 268, 281, 282  
   definition of, 64  
   processing of, 215, 276  
   trade of, 207, 209, 211, 214, 217, 219, 220, 321  
 Tuscany (Italy), 39, 82, 139, 244  
  
 United Kingdom. *See* Britain  
 United States, 194, 210, 210, 327  
   *See also* Britain, exports of; cotton, trade in; France, exports of  
 urbanization. *See* individual countries/regions, urbanization in  
  
 Venice, 39, 83, 200, 213  
   industry in, 44, 134, 139, 275, 305  
   *See also* glassmaking, in Venice; Italy, silk industries in  
 Verlagssystem. *See* putting-out  
 viticulture. *See* wine, production of  
 Vizcaya (Spain). *See* Basque provinces (Spain)  
 VOC. *See* Dutch United East India Company  
  
 Wallerstein, Immanuel, 7, 179, 347  
 Wars of Religion, 96, 102, 103, 149, 151  
 West Africa  
   European trade with, 41, 42, 55, 58, 63, 64, 77, 210, 336  
   *See also* gold, West African; slave trade; trading posts  
 West Indies. *See* agriculture, plantation; Caribbean; slave trade; slaves; sugar; individual countries, colonies of  
 Western Germany  
   agriculture in, 107, 247–49  
   economic policies in, 313  
   economic trends in, 106, 107, 146, 147, 247  
   exports of, 146, 233, 313  
   industry in, 146, 292, 312–14, 317  
   population of, 108, 147, 247, 248  
   taxes in, 107, 108, 248, 313  
   urbanization in, 313  
   wages in, 248, 249, 249  
   *See also* Germany, population of; Germany, urbanization in; Hamburg  
 wheat  
   trade of, 64, 211, 222, 233, 260, 264, 265  
   yields of, 100, 116, 243, 260, 269  
   *See also* grain  
 Wild Coast, 205  
   sugar production of, 203, 206  
 wine  
   Dutch trade of, 80, 82, 216  
   French trade of, 102, 103, 149, 216, 218, 256  
   other trade of, 24, 39, 68, 79, 83, 125, 214, 227  
   Portuguese trade of, 79, 212, 213, 220, 241, 268  
   production of, 21, 93, 96, 102, 103, 105, 107, 235, 241, 241, 250, 254  
 wood, 21, 64, 79, 102, 103, 201, 254, 268  
   *See also* dyestuffs  
 women  
   agricultural work of, 42, 99, 111  
   commercial activities of, 44, 221  
   economic position of, 17  
   gendered divisions of labor and, 17, 30, 167, 290, 334, 348  
   industrial work of, 25, 28, 30, 31, 33, 36, 116, 153, 155, 156, 161, 166, 169, 170, 171, 172, 173, 289, 290, 294, 296, 297, 305, 306, 320, 328, 333  
   *See also* guilds, women and  
 wool  
   English, 28, 93, 118, 267  
   English exports of, 42, 153, 156  
   other trade of, 39, 82, 166, 332  
   Spanish exports of, 42, 54, 79, 80, 83, 86, 93, 94, 142, 143, 179, 183, 212, 237, 295, 309  
   *See also* Dogana; Mesta; textiles, raw materials for; woollens  
 woollens  
   Belgian, 79, 134, 150, 152, 319, 320  
   British, 327, 337, 338  
   broadcloth, 25, 154, 156, 157  
   Dutch, 26, 158, 160, 315, 317

370 Index

woollens (cont.)

English, 26, 42, 73, 74, 79, 134, 136,  
 153, 154, 156, 210, 217, 219, 284,  
 294, 331, 332

French, 134, 138, 148, 150, 220, 319,  
 321, 323, 326, 327

Italian, 26, 134, 139, 141, 245, 305,  
 306, 307

light drapery, 29, 38, 138, 150, 154, 163,  
 210, 275, 280, 296, 302, 319, 331

new drapery, 30, 38, 154, 156, 275, 328

North African, 42, 63

old drapery, 28, 38, 138, 150, 154, 156,  
 210, 292

Spanish, 68, 103, 142, 143, 308, 309

Western German, 146, 148, 167,  
 298, 313

worsteds, 293, 339

*See also* Dogana, Florence; Leiden, textile  
 industry in; Mesta; wool

workhouses, 169, 172, 297

world-system theory, 7, 8, 54, 179,  
 347

*See also* Wallerstein, Immanuel

yeomen. *See* peasants, elite

yields. *See* agriculture, yields in

Zaanstreek (Dutch Republic), 158, 159,  
 160, 161, 174, 263, 275, 315, 317,  
 318

*See also* Dutch Republic, industry in;  
 mills; papermaking, in Dutch  
 Republic; shipbuilding, Dutch