Index

Acemoglu, Daron, 2
Africa
  in 1960 economic order, 2
  sub-Saharan
    absence of data for, 28
    terms of trade volatility in, 167, 168
Aghion, Philippe, 171
Agricultural productivity
  decline in, 130
  in India
    decline in, 78–79, 81–82, 84, 85, 86, 91–92, 95, 96, 98, 99, 135
    epoch of high level in, 83–84, 91
  in Mexico
    and manufacturing competitiveness, 130
    as relatively stable, 133–34, 143
    and textile sector wages, 55
Ali, Mohamed (Egyptian leader), 66–67, 68, 109, 112
Anglo-Turkish Commercial Convention, 102–103
Anti-trade backlash, 9, 215, 217, 218.
  See also Protectionism; Tariffs
Argentina
  commodity exports from, 207
  export concentration in, 52
  export shares in GDP for, 47
  GDP/exports/terms of trade in (1870–1939), 187
  imports of intermediate and capital goods to, 202
  industrialization in, 203
  pro-industrial policies absent in, 204
  railway mileage in (1850–1910), 16
  real exchange rate for, 210
  tariffs in, 219
    terms of trade for, 206, 211, 212
    income terms of trade, 208
    terms of trade data for, 29, 37
    terms of trade volatility for, 174, 177
    textile industry of, 201
    wage–rent ratios in, 161
Asia
  export shares in GDP for, 47
  inequality in, 154
  in 1960 economic order, 2
  per capita levels of industrialization in, 64
  tariffs in, 216, 218, 227
    for dependent and independent parts, 217
  and transport revolution, 18–19
Assam, cash tenancy in, 157
Asymmetric trade impact, 48, 171, 185–87, 191, 232–33
Australia
  GDP/exports/terms of trade for (1870–1939), 186
  and industrialization, 172
  as primary-product producer, 194
railway mileage in (1850–1910), 16
Austria-Hungary, 185
free trade in (19th century), 13
GDP/exports/terms of trade for (1870–1939), 186
railway mileage in (1850–1910), 16
Bairoch, Paul, 61, 63, 77, 88, 219
Banco de Avío (Mexico), 128, 139, 141
Beatty, Edward, 204, 207
Belgium, free trade in (19th century), 13
Bengal, industrialization in, 199
as periphery leader, 214
Bombay, industrialization in, 199
as periphery leader, 214
Booth, Anne, 70
Bowring, Sir John, 67
Brazil
commodity exports from, 207
export concentration in, 52, 168
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 187
imports of intermediate and capital goods to, 202
industrialization in, 199, 203
per capita levels of, 64
as periphery leader, 214
inequality measures for, 148, 149, 150, 155
extraction ratio, 151
pro-industrial policies in, 204–205
real currency depreciation for, 228
real exchange rate for, 210, 211
tariffs in, 219, 220
terms of trade for, 206, 207, 212
income terms of trade, 208
terms of trade boom for, 37
terms of trade data sources for, 30
terms of trade volatility in, 173, 174, 177
textile mills in, 128, 200
and wage competitiveness, 209
Britain. See United Kingdom
British transportation cost index, 16
Burma
cash tenancy in, 157
de-industrialization in, 70–71
export concentration in, 52
export shares in GDP for, 47
and free trade, 14
GDP/exports/terms of trade for (1870–1939), 187
as primary-product producer, 194
 tariffs in, 217–18
terms of trade volatility for, 174
wage–rent ratios in, 161, 162
Byzantium, inequality measures for, 148, 149
Canada
GDP/exports/terms of trade for (1870–1939), 186
as primary-product producer, 194
railway mileage in (1850–1910), 16
tariffs in, 141, 218
Capital accumulation, and terms of trade impact, 194
Catalonia, industrialization in, 199
as periphery leader, 214
tariffs in, 141
Ceylon
export concentration in, 52
export shares in GDP for, 47
and free trade, 14
GDP/exports/terms of trade for (1870–1939), 187
industrialization in, 213
as primary-product producer, 194
tariffs in, 217–218
terms of trade for, 212
terms of trade boom for, 37, 119
terms of trade data sources for, 30
terms of trade volatility for, 174, 176, 177
Chappell, John, 83
Chile
commodity exports from, 207
export concentration in, 52, 168–69
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 187
imports of intermediate and capital goods to, 202
industrialization in, 203
inequality measures for, 148, 149, 150, 155
extraction ratio, 151
pro-industrial policies in, 204–205
real exchange rate for, 210
tariffs in, 220
terms of trade for, 206, 207, 211, 212
income terms of trade for, 208
terms of trade boom for, 37
terms of trade data sources for, 30
as terms of trade example, 189–90
terms of trade volatility for, 174, 177
and wage competitiveness, 209
China, 1
de-industrialization in, 61–63, 72–73, 74
Dutch disease effects in, 72–73
exceptionalism of, 33–34, 72–73
and exchange rates, 228
export concentration in, 52
export shares in GDP for, 47
free trade forced on, 13–14
GDP/exports/terms of trade for (1870–1939), 187
industrialization in, 213
per capita levels of, 64
inequality measures for, 148, 149, 150
extraction ratio, 151
manufacturing output share of, 77, 88
railway mileage in (1850–1910), 16
tariffs in, 219
terms of trade for, 72, 212
terms of trade boom absent from, 26, 37
terms of trade data for, 30
terms of trade volatility for, 174, 177
and GDP growth, 178
trade liberalization in, 71, 72
Clarence-Smith, William, 69
Clark, Colin, 87
Clark, Gregory, 138
Clemens, Michael, 185
Climate, and Indian
de-industrialization, 82–84
Clingingsmith, David, 83
Cobden–Chevalier Treaty, 13
Colombia
commodity exports from, 207
export concentration in, 52
export shares in GDP for, 47
export substitution in, 190–91, 247n.6
GDP/exports/terms of trade for (1870–1939), 187
as primary-product producer, 194
pro-industrial policies in, 204–205
tariffs in, 218, 219, 220
terms of trade (income) for, 208
terms of trade volatility for, 173, 174
Colonial drain, 84, 146, 163–64
Colonialism
vs. early industrialization, 211
and Indian de-industrialization, 85–86
and inequality, 152
and tariffs, 217, 227
Commodity price volatility, 232
and economic growth, 171, 191, 194–95
and institutional quality, 190–91
as globalization downside, 51–53
Commodity price volatility (cont.)
and great divergence, 167
modern economics literature on, 168–71
in 1700–1939 period, 171–79
during Prebisch–Singer period (1870–1939), 188
Comparative advantage, 45, 53, See also Gains from trade
and de-industrialization, 77–78, 101
endogenous, 183
for Europe vs. third world, 182
export concentration from, 172
and Latin American primary products, 137–38
and question of exogeneity of terms of trade, 189–90
and resource curse, 183
and terms of trade volatility in poor periphery, 178
Congo, Democratic Republic of,
inequality measures for, 150
Congress of Vienna, and Rhine navigation, 14
Corden, Max, 157
Core nations. See Rich industrial core
Corn Laws, abolition of, 12
Cottage industries
in Britain, 88, 105
factory-based productivity brings demise of, 127
in India, 88
and Ottoman empire, 105
putting-out system of, 61, 124
Cotton spinning. See also Textiles
in India (decline of), 87–88
in Mexico, 126, 129
in Ottoman empire, 105, 106
Cuba
commodity exports from, 207
exceptionalism of, 236n.5
export concentration in, 52, 168–69
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 187
as primary-product producer, 194
terms of trade (income) for, 208
terms of trade boom absent from, 26, 37
terms of trade data for, 30
terms of trade volatility in, 173, 174, 177
and GDP growth, 178
Currency depreciation, and Latin American industrialization, 205, 214
and manufacturing profitability, 210–11
Currency unions, in first global century, 11, 14, 23
Darwin, Charles, 83
Dean, Warren, 200
De-industrialization, 8–9, 60, 231–32
absolute, 56, 57, 60, 90, 94, 104, 114
causes of, 77–78
contentious aspects of, 104
and great divergence, 182
relative, 56–57, 60, 90, 95, 114
and terms of trade, 225
De-industrialization in poor periphery, 59–60, 74, 211
in China, 72–73
comparative qualitative assessment of, 65–66
comparative quantitative assessment of, 61–65
differences between parts of, 59, 60
and economic growth, 180
during Singer–Prebisch episode, 195
in Egypt, 66–68
as globalization result, 27, 49–50, 60
in India, 62, 75–78, 98–99
causal hypotheses on, 78–86
measurement of, 86–89
and neo-Ricardian model, 89–91
Index

relative prices and own wage in manufactures in, 91–97
in Indonesia, 65, 68–71, 74
and local share of domestic textile market, 64–65, 106–107, 196
in Mexico, 74, 129, 205
and neo-Ricardian model, 130–31
and pro-industrial policies, 139–42, 143
and question of failure to compete more effectively, 137–39
and terms of trade, 131–33
in transition before Porfiriato, 120–23
and wage competitiveness, 133–37, 143
in young Republic, 123–30
for Ottoman empire, 105–10
and barriers to trade, 102–104
causes of, 105–106, 114–17, 242n.9
and eastern Mediterranean debate, 104–105
and external terms of trade, 110–12
neo-Ricardian model of, 112–14, 116
vs. other nations in periphery, 118
and textile industry 200
neo-Ricardian model of, 53–57
for India, 89–91
for Mexico, 130–31
for Ottoman empire, 112–14, 116
and tariffs, 222–23, 225, 227, 233
and terms of trade boom, 57, 119, 145, 180, 222, 225
textiles as gauge of, 60–61
and trade boom, 7, 231–32
Denmark
commodity vs. manufacturing price volatility for, 179
free trade in (19th century), 13
GDP/exports/terms of trade for (1870–1939), 186
post-Napoleonic trade policy of, 12
Depreciation of local currencies. See Currency depreciation
Depressions, 23
Great Depression of 1930s, 28
Developed countries, GDP and industrial output performance in, 22.
See also Rich industrial core
Discovery of India (Nehru), 85
Distribution of income. See Income distribution
Divergence between rich core nations and poor periphery, 1, 43–44, 198.
See also Poor periphery; Rich industrial core; Third world
and asymmetric trade impact, 48, 171, 185–87, 191, 232–33
and channels of impact, 182, 231–32
emergence of, 2–4, 27
and globalization, 48, 181–84
in pre-1870 period, 195–97
during Singer-Prebish period (18701939), 184, 185–195, 232–33
origin of, 1–2
and terms of trade boom, 185–87, 232–33
and trade boom, 4–7
Domestic capital accumulation, terms of trade impact on, 194
Drought, and Indian de-industrialization, 83
Dutch disease, 49–50
in China, 72–73
in Egypt, 66–68
in European poor periphery, 36
in India, 86
in Indonesia, 68–71
in Japan, 71–72
and Latin America, 39, 206–207
and Mexico, 120, 132, 133, 139, 142
in poor periphery, 74, 211, 214
and de-industrialization, 33, 119
as globalization result, 27
Dutch East Indies. See Indonesia
Dutt, R. C., 85
East Asia. See also Gang of four
exceptionalism of, 33–34
and free trade, 13
GDP per capita growth of, 6
growth performance in (1700–1820), 3
land scarcity in, 232
old order disappeared in, 234
and terms of trade, 206
and industrialization, 211
terms of trade boom in, 28, 36, 37,
42–43
terms of trade volatility in, 167, 168,
174, 176, 177
wage–rent ratios in, 160
East Asia less China, GDP per capita
growth of, 5
Eastern Europe, railroads in, 223
Eastern Mediterranean
de-industrialization debate, 104–105
Economic growth
and commodity price volatility, 171,
191, 194–95
and institutional quality, 190–91
and de-industrialization, 180, 195
determinants of (1870–1939), 194
in first global century, 11
and inequality, 164–65, 180
in Latin America (and income
inequality), 154–55
and protectionism, 220
and rent-seeking, 183, 184
and terms of trade boom, 181, 198,
233
and terms of trade volatility, 119, 180,
184, 198
Economic order, world (1960), 102
Economic order of Lewis. See New
international economic order
Egypt
de-industrialization and Dutch disease
in, 66–68, 74
vs. rest of poor periphery, 118
export concentration in, 52
export shares in GDP for, 47
GDP/exports/terms of trade for
(1870–1939), 187
and lowered transportation costs,
108
as primary-product producer, 194
as resource-abundant, 146
and tariffs, 217–18
terms of trade for, 111–12, 133, 211,
212
terms of trade boom for, 37, 39–40,
66, 118, 119
terms of trade data sources for, 30
terms of trade volatility for, 175, 176,
177
and GDP growth, 178
wage–rent ratios in, 161, 162
El Niño, 82–83
Endogenous growth, 182–83
Engerman-Sokoloff hypothesis, 154–56,
191
“Engine of growth”
positive effects of globalization as,
27
trade as, 46, 48
English-speaking offshoots, GDP per
capita growth of, 5
Erie Canal, 14–15
European core, per capita levels of
industrialization in, 64. See also Rich
industrial core
European periphery
export shares in GDP for, 47
GDP per capita growth of, 5, 6
growth performance in (1700–1820), 3
industrialization in, 213
old order disappeared in, 234
tariffs in, 216, 217, 218, 220
terms of trade boom in, 28, 35, 36
terms of trade volatility for, 175,
177
Evolution of the International Economic
Order (Lewis), 33
Exchange rate depreciation, in Brazil and Mexico, 205
Export boom, 53–54
and inequality, 232
lower tariff rates from, 224, 225–26
Export concentration
as globalization downside, 51–53, 232
in third world economies, 167, 168–69, 172
Export shares, in GDP, 47, 48
Externalities, positive, 182
from tariff protection, 229
Extraction ratio, 147. See also Inequality
for ancient and modern societies, 149–50, 151
for Latin America vs. western Europe, 156

Factor endowments
and choice of primary commodity, 190–91, 247n.6
and Engerman–Sokoloff hypothesis, 155, 191
Factory building
in Mexico, 128
in Middle East, 66–67, 109
Feuerwerker, Albert, 73
Financial drain, as Indian
de-industrialization offset, 84–85
Florescano, Enrique, 126
Fogel, Robert, 19
France, 185
GDP/exports/terms of trade for (1870–1939), 186
inequality measures for, 148, 149, 150, 155
extraction ratio, 151
railway mileage in (1850–1910), 16
terms of trade volatility for, 175
Freight rate index, real, 17
Gains from trade, 48, 181
distribution of, 145 (see also Income distribution)
in poor periphery, 45–48, 181, 198
Galiani, Sebastian, 158
Gallo, Ezequiel, 200
Gang of four, 1, 21
GDP
short-run increase in, 101
and terms of trade (1870–1939), 192
GDP per capita
from 1870 to 1939 by country, 186–87
growth of in core (1800–1913), 26
growth of in poor periphery, 181
world growth performance of (1820–1913), 5
world growth performance of (1913–1940), 6
Germany, 185
and free trade (1870s), 13
GDP/exports/terms of trade for (1870–1939), 186
inequality measures for, 150
internal trade barriers destroyed in, 15
railway mileage in (1850–1910), 16
terms of trade volatility for, 175
Gerschrenkron, Alexander, 54, 79, 115
Gini coefficient, 147, 148
Global century, first, 11–12, 25–28
growth miracle in, 21–22
question of most prominent force in, 22–24
trade liberalization in, 12–14, 23
and world transport revolution, 14–21
Global economy, before 19th century, 12
Globalization, 231. See also Trade boom, world; Terms of trade boom
asymmetric growth from, 48, 49, 232
and de-industrialization in third world, 27, 49–50, 60
in India, 75–76
Globalization (cont.)
and divergence between rich core and poor periphery, 48, 181–84
in pre-1870 period, 195–97
during Singer–Prebisch period (1870–1939), 184, 185–95, 232–33
downsides of, 48
commodity price volatility and export concentration, 51–53 (see also Commodity price volatility)
de-industrialization, 49–50, 60, 75–76 (see also De-industrialization in poor periphery)
Dutch disease, 49–50 (see also Dutch disease)
rent-seeking and resource curse, 50–51 (see also Rent-seeking; Resource curse)
first century of (early 19th century to World War I), 4, 6
impact(s) of, 145
and income distribution, 156–59
in labor-abundant part of poor periphery, 159–62
in resource-abundant part of poor periphery, 162–63
and Indian de-industrialization, 75–76, 85–86
positive vs. negative effects of for periphery, 27
and price volatility, 179
Gold standard
in first global century, 11, 14, 23, 25
and real exchange rates, 227, 228
Gómez-Galvarriato, Aurora, 138–39, 201
Grain, economic role of, 54–55. See also Agricultural productivity
Grain invasion
in European core, 160, 218, 223, 225, 226, 227
in Latin America, 209
Grain wages, 79–80, 89, 94
Great depression of 1930s, 28
Great divergence. See Divergence between rich core nations and poor periphery
Great Divergence, The: China, Europe, and the Making of the Modern World (Pomeranz), 3
Greece
export concentration in, 52
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 186
terms of trade volatility for, 175
Grove, Richard, 83
Growth miracles
in rich core nations (1820–1913), 21–22
in 20th century, 21
Gruen, Fred, 157
Haber, Stephen, 200, 201, 204
Hamilton, Alexander 139, 220
Hamilton, Francis Buchanan, 87
Hanson, John, 51–53
Heckscher, Eli, 156, 221
Heckscher-Ohlin model, 159
Heckscher-Ohlin-Samuelson model, 158
Heymann, Daniel, 158
Hirschman, Albert, 182
Hodrick-Prescott (HP) filter, 173, 189
Hong Kong, 1
Huber, J. Richard, 159
Human capital
and economic growth, 165
and negative income shocks, 169
Humboldt, Alexander von, 134
Import substitution industrial (ISI) strategies, 218, 220, 233
Income distribution
and economic growth, 164–65
and globalization, 145, 156–59
in labor-abundant part of poor periphery, 159–62
in resource-abundant part of poor periphery, 162–63
under pre-industrial and pre-global inequality, 146–56 (see also Inequality)
Income terms of trade, in Latin America, 207, 208
India, 1. See also South Asia
colonial drain from, 164
de-industrialization in, 61–63, 74, 75–78, 98–99
causal hypotheses on, 78–86
measurement of, 86–89
and neo-Ricardian model, 89–91
relative prices and own wage in manufactures in, 91–97
textile import penetration in, 65
106 export concentration in, 52
export shares in GDP for, 47
exports to Indonesia from, 69
and free trade, 14
GDP/exports/terms of trade for (1870–1939), 187
inequality measures for, 148, 149, 150
extraction ratio, 151
local share of domestic textile market for, 65, 106–107, 129, 196, 200
manufacturing output share of, 88
own wage in textiles in, 137
per capita levels of industrialization in, 64
railroads in, 19, 223
railway mileage in (1850–1910), 16
tariffs in, 217–18
terms of trade for, 75, 76, 86, 118, 212
and terms of trade boom, 37, 40–41, 236n.10
terms of trade data sources for, 30
terms of trade volatility for, 174, 177
and GDP growth, 178
Indochina, cash tenancy in, 157
Indonesia
colonial drain from, 163–64
de-industrialization and Dutch disease in, 65, 68–71, 74
export concentration in, 52
export shares in GDP for, 47
foreign import share of domestic market in, 77
and free trade, 14
GDP/exports/terms of trade for (1870–1939), 187
inequality measures for, 148, 149, 150
extraction ratio, 151
local share of domestic textile market for, 65, 106–107, 196, 200
tariffs in, 217–18
terms of trade for, 42, 133, 211, 212
terms of trade boom for, 37, 119
terms of trade data sources for, 30
terms of trade volatility for, 174, 177
Industrialization
eyear, 9, 62, 201, 213, 232
in Japan, 160
in poor periphery, 199, 211
in Shanghai region, 160
and exchange rate depreciation, 228
in Japan, 43, 71–72
in Mexico, 120
and openness, 27
in poor periphery, 199, 211–14
in Latin America, 200–205, 207, 209, 210–11
in poor periphery vs. rich core, 232
Industrial Revolution, 231
GDP growth rates raised in, 4
and Ottoman spinners vs. weavers, 108
Industrial Revolution (cont.)
and periphery vs. core, 27
and relative textile prices, 131
slow spread of through Europe, 36
Inequality, 231, 232
and colonial drain, 163–64
and economic growth, 164–65, 180, 183
and globalization, 156–59
in labor-abundant part of poor periphery, 159–62
in resource-abundant part of poor periphery, 162–63
and Kuznets curve hypothesis, 152, 154
pre-industrial and pre-global, 146–56
vs. current societies, 151
as result of globalization for periphery, 27
and terms of trade boom, 180
Inequality extraction ratio. See Extraction ratio
Inequality possibility frontier, 147, 148
Infant industry view, 220, 225
and Latin American policy makers, 204
and Mexican textile industry, 139
Intersectoral terms of trade, in India (textiles and agriculture), 86, 93–94, 98
Investment, and price volatility, 169
Iran, tariffs in, 219
Irwin, Douglas, 157
Issawi, Charles, 102, 104, 105, 109, 111
Italy, 185
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 186
inequality measures for, 150
inequality measures for (Naples 1811), 148, 149
extraction ratio, 151
north Italian triangle (industrialization in), 199, 214
railway mileage in (1850–1910), 16
terms of trade for, 212
terms of trade boom for, 36, 119
terms of trade data for, 30
terms of trade volatility for, 174, 176, 177
and GDP growth, 178
Japan
exceptionalism of, 34
and exchange rates, 228
export concentration in, 52
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 187
industrialization in, 71–72, 160, 199, 213
and Dutch disease, 72, 74
as periphery leader, 214
inequality measures for, 148, 149, 150
extraction ratio, 151
railway mileage in (1850–1910), 16
and subsidy policies, 229
tariffs in, 141, 219
terms of trade in, 212
terms of trade boom in, 42–43, 71, 159
terms of trade data for, 30
terms of trade volatility for, 174, 177
trade policy liberalization of, 13
wage–rent ratio in, 159–62
Johnson, Simon, 2
Jones, Ronald, 54, 157
Kenya, inequality measures for, 148, 149, 150
extraction ratio, 151
King, Gregory, 146–47
Kirsch, Henry, 200
Korea, 14
trade liberalization in, 71
wage–rent ratio trends in, 160, 161
Kosambi, D. D., 85
Krueger, Anne, 184
Krugman, Paul, 183
Kurmus, Orhan, 104–105
Kuznets hypothesis, 152, 154

Labor costs, and Latin American industrialization, 205. See also Wages
Labor market, and Mexican textile industry, 138
Land holdings, concentration of (Southeast Asia), 162–63
Lane, Philip, 183
Latin America. See also specific countries
commodity price volatility for, 173
customs duties as revenue for, 170
and Dutch disease, 206–207
export concentration in, 52, 168–69
export shares in GDP for, 47
and free trade, 13
freight-rate decline for, 18
GDP per capita growth of, 5, 6
growth performance in (1700–1820), 3
industrialization levels per capita in (1750–1913), 64
industrial liftoff in, 200–203
and currency depreciation, 205,
210–11
potential explanations for, 203–205
and wage competitiveness, 207, 209
inequality in, 154–55
in 1960 economic order, 2
old order disappeared in, 234
protectionism in, 204, 222
and Mexican industry, 139, 140, 141, 142
railroads in, 209, 223
tariffs in, 216, 217, 218, 220, 224
terms of trade for, 119, 133
income terms of trade, 207, 208
and industrialization, 205, 206–207
terms of trade boom in, 28, 35, 36,
37, 38–39, 76, 119
terms of trade volatility for, 176, 177
and transport costs, 20
and Panama Canal, 19
and railroads, 19–20
wage gap in, 158
Latin America and Caribbean, terms of trade volatility in, 167, 168
Levant, 176
inequality measures for, 148, 149, 152
terms of trade for, 211, 212
terms of trade data for, 30
terms of trade volatility for, 177
and GDP growth, 178
Lewis, W. Arthur, 27, 28, 33, 46, 48,
51, 54, 79, 115, 130, 145, 172–73
new international economic order of,
28, 63, 64, 156, 182, 197
List, Frederick, 139, 220
Maddison, Angus, 63, 120, 159
Magnification effect, 157, 158, 160
Magud, Nicholás, 158
Malaya
terms of trade in, 42
terms of trade data for, 30
terms of trade volatility for, 177
Malaysia, inequality measures for, 150
Marketing board, in Egypt, 67–68
Márquez, Graciela, 204
Marx, Karl, 41, 73, 75, 240n.16
Mendoza, Enrique, 189
Mexico (Nueva España), 119–20
colonial drain from, 163, 164
commodity exports from, 207
de-industrialization in, 74, 129, 205
neo-Ricardian model of, 130–31
and pro-industrial policies, 139–42,
Mexico (Nueva España) (cont.)
and question of failure to compete more effectively, 137–39
and terms of trade, 131–33
in transition before Porfiriato, 120–23
and wage competitiveness, 133–37, 143
in young Republic, 123–30
exceptionalism of, 119–20, 132, 133, 139–40, 142–43
export concentration, 52
export shares in GDP for, 47
foreign import share of domestic market in, 77
GDP/exports/terms of trade for (1870–1939), 187
imports of intermediate and capital goods to, 202
industrialization in, 39, 199, 203, 213
per capita levels of, 64
as periphery leader, 214
inequality measures for, 148, 149, 150, 155
extraction ratio, 151
local share of domestic textile market for, 65, 106–107, 129, 196, 200
obraje production in, 123, 125
pro-industrial tariff policies of, 204, 214
railroads in, 19, 20
railway mileage in (1850–1910), 16
real currency depreciation in, 228
real exchange rate for, 210, 211
as resource-abundant, 146
and subsidy policies, 229
 tariffs in, 219, 220
terms of trade for, 127, 131–33, 142, 206, 212
income terms of trade, 208
internal for agriculture, 135
terms of trade boom for, 37, 132
and de-industrialization, 238n.1
terms of trade data sources for, 30
terms of trade volatility for, 174, 177
textile import penetration in, 65, 106
and wage competitiveness, 209
Middle East. See also Levant
export shares in GDP for, 47
GDP per capita growth of, 5, 6
growth performance in (1700–1820), 3
tariffs in, 227
and terms of trade, 206
terms of trade boom in, 28, 35, 36, 37, 39–40, 76
terms of trade volatility for, 175, 177
Middle East and north Africa, terms of trade volatility in, 167, 168
Mohamed Ali (Egyptian leader), 66–67, 68, 109, 112
Monsoons, and Indian de-industrialization, 82–83
Most-favored-nation (MFV) clause, in 19th-century treaties, 13
Mughal collapse hypothesis, on Indian de-industrialization, 78–82, 83–84, 86, 98
Murphy, Kevin, 182
Mussa, Michael, 157
Myrdal, Gunnar, 182
Naoroji, Dadabhai, 85
Nehru, Jawaharlal, 85
Neo-Ricardian model of de-industrialization, 53–57
for India, 89–91
for Mexico, 130–31
for Ottoman empire, 112–14, 116
Netherlands (Holland)
commodity vs. manufacturing price volatility for, 179
free trade in (19th century), 13
inequality measures for, 148, 149, 150, 155
extraction ratio, 151
post-Napoleonic trade policy of, 12
New England, unskilled textile labor in, 138
New international economic order, 28, 33, 44, 51, 63, 64, 156, 197
New Zealand
GDP/exports/terms of trade for (1870–1939), 186
tariffs in, 141, 218
Nigeria, inequality measures for, 150
North, Douglas, 2
North index, 16
North Italian triangle, industrialization in, 199
as periphery leader, 214
Norway
free trade in (19th century), 13
GDP/exports/terms of trade for (1870–1939), 186
as primary-product producer, 194
Nueva España. See Mexico
Nunn, Nathan, 229

O’Brien, Patrick, 63
OECD. See also Rich industrial core manufactures as specialization of, 44 vs. third world, 1–2
Ohlin, Bertil, 156
“Open” economies, 7–8
and colonial Mexico, 122
and industrialization in rich core, 27
Opium, Chinese import of, 34
Origin of the Species, The (Darwin), 83
Ottoman empire, 101
de-industrialization in, 105–10
and barriers to trade, 102–104
causes of, 105–106, 114–17, 242n.9
and eastern Mediterranean debate, 104–105
neo-Ricardian model of, 112–14, 116 vs. rest of poor periphery, 118
and textile industry, 200
foreign import share of domestic market in, 77
free trade treaties of (1838–1841), 102–103, 116
local share of domestic textile market for, 64–65, 106–107, 129, 196, 200
protectionism in, 222
terms of trade for, 108, 110–12, 116, 118, 133, 212
terms of trade boom for, 101, 106, 110–11, 112, 118, 119
Ottoman Empire and European Capitalism, The (Pamuk), 105
Ottoman Turkey. See also Turkey
de-industrialization in, 74
and eastern Mediterranean debate, 104–105
export concentration in, 52
export shares in GDP for, 47
railroads in, 223
terms of trade boom for, 37, 39–40
terms of trade data sources for, 30
terms of trade volatility for, 177
Owen, Roger, 104
Own-wage, 209
and de-industrialization, 56–57
in Indian manufacturing, 91–97
Pamuk, Şevket, 103, 104, 105, 106, 109
Panama Canal, 18, 19–20
Parthasarathi, Prasannan, 79, 89
Peace, and trade boom, 24
Peel, Robert, 12
Persson, Karl Gunnar, 169, 170–71
Peru
commodity exports from, 207
export concentration in, 52
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 187
inequality measures for, 148, 149, 150, 155
extraction ratio, 151
terms of trade (income) for, 208
terms of trade volatility for, 174
Philippines
    de-industrialization in, 70–71
    export concentration in, 52
    export shares in GDP for, 47
    GDP/exports/terms of trade for
    (1870–1939), 187
    industrialization in, 213
    tariffs in, 217–18
    terms of trade for, 212
    terms of trade boom for, 37, 42, 119
    terms of trade data sources for, 30
    terms of trade volatility for, 174, 177
    and GDP growth, 178
Poelhekke, Steven, 197
Policy responses in poor periphery, 215
    misguided choices of, 228–29
    and real exchange rates, 227–28
    tariffs, 215–19
    and political economy, 226–27
    protecting infant industry, 220, 225
    and railroads as facilitating
    competition, 223, 227
    for revenue, 223–24, 225–26, 226
    and scarce factor compensation,
    222–23, 225, 227
    and Stolper–Samuelson corollary,
    221–22
    and strategic trade policy, 224–225
Political situations
    and breakup of Mughal empire, 80–82
    and choice of suboptimal tariffs,
    228–29
    and inequality, 232
    institutional quality as determining
    commodity export, 190–91
    and Mexican exceptionalism, 120
    in Mexico
    and limitation on textile industry,
    138, 139
    and protection for domestic industry,
    140, 142
    and Ottoman trade, 103
and protectionism
    in continental Europe, 162, 221
    in Latin America, 222
    and resource curse, 51
    and tariffs, 226–27
Pomeranz, Kenneth, 3
Poor periphery, 1. See also Divergence
    between rich core nations and poor
    periphery; Third world
    colonial drain from, 146, 163–67,
    232
    commodity price volatility in, 167,
    172, 173, 176, 191, 194–95 (see also
    Commodity price volatility)
    de-industrialization in, 59–60, 74
    (see also De-industrialization in poor
    periphery)
    comparative qualitative assessment
    of, 65–66
    comparative quantitative assessment
    of, 61–65
    differences in between parts of
    periphery, 59, 60
    and globalization, 27, 49–50, 60
    (see also Globalization)
    and local share of domestic textile
    market, 64–65, 106–107, 196
    neo-Ricardian model of, 53–57,
    89–91, 112–14, 116
    and primary-product specialization,
    32–33, 53, 54, 63, 131, 225
    and tariffs, 222–23, 225, 227, 233
    (see also Tariffs)
    and terms of trade boom, 57, 119,
    145, 180, 222, 225
    textiles as gauge of, 60–61
    diversity in economic performance
    within, 48, 188, 191
    eastern Mediterranean vs. rest of
    periphery, 118
    and domestic capital markets, 171
    export concentration in, 51–53, 167,
    168–69, 172, 232
export shares in GDP for (1870 and 1913), 47, 48
as gaining from trade, 45–48
income distribution in, 156–59
and growth, 164–65
in labor-abundant part, 159–62
in resource-abundant part, 162–63
industrialization in, 199, 211–14
in Latin America, 200–205, 207, 209, 210–11
price of manufactures in, 26
and price volatility, 167–68 (see also Commodity price volatility; Terms-of-trade volatility)
primary-product specialization in, 26, 44, 64, 194, 231, 232 (see also Primary-product exports; Primary-product specialization)
simple household-based technology in, 105, 109 (see also Cottage industries)
terms of trade, 53, 197–98, 211, 212, 214, 224–25, 226 (see also Terms of trade)
terms of trade boom in, 26, 28, 30–33, 34–35, 36–37, 44, 145 (see also Terms of trade boom)
terms of trade volatility in, 172, 173, 175, 176, 178, 184, 191, 232, 233 (see also Terms of trade volatility)
Population density, and inequality, 153–54
Portugal
export concentration in, 52
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 186
industrialization in, 213
terms of trade for, 212
terms of trade data for, 30
terms of trade volatility for, 175, 177
Prebisch, Rául, 28. See also Singer–Prebisch episode
Price volatility, as result of globalization for periphery, 27, 53, 157 (see also Commodity price volatility)
Primary-product exports, 1, 145. See also Commodity price volatility by country (1870–1939), 186–87
diversity in economic performance among exporters, 188
and Dutch disease, 49
export share definition for, 185
as growth-diminishing, 7
in Mexico, 132–33, 137
and terms of trade boom, 8, 131, 132–33, 181
and transport revolution, 14, 21
and wage–rent ratio, 158
Primary-product specialization, 26, 44, 64, 194, 231
and de-industrialization, 32–33, 53, 54, 63, 131, 225
and income distribution, 159
lack of quality improvement in (vs. manufactures), 30
as obsolescent, 197, 198
in Ottoman empire, 110
and railroads, 116
poor-periphery variation in, 34–35
and price volatility, 27, 51, 53, 167, 172, 178, 179, 181, 184, 188, 232
shift from, 233–34
Product price volatility, 231 (see also Commodity price volatility)
Pro-industrial policies, in Latin America, 204–205
in Mexico, 139–42, 143, 204, 205, 214
Protectionism, 27, 102, 128, 216–17, 218. See also Tariffs
in Asia, 218
in continental Europe, 162
against grain imports in core countries (structure of protection), 219
Protectionism (cont.)
infant-industry argument for, 139, 204, 220, 225
and Latin America, 204, 222
and Mexican industry, 139, 140, 141, 142
and railroads as facilitating competition, 223
as reaction to lowered price of manufactures, 226
Proto-industrial cottage industries, 105.
See also Cottage industries

Quataert, Donald, 103, 104, 109, 110

Railroads, 15, 19, 27. See also Transport revolution
for interior markets, 223, 226
and Latin American wage competitiveness, 209
and Ottoman trade, 104, 116, 117
world mileage of (1850–1910), 16
Real exchange rate (RER)
depreciation of, 227–28
and industrialization in Latin America, 210, 214
Real wages, and de-industrialization, 88–89
Re-frigeration, trade implications of, 18
Re-industrialization, 59, 99. See also Industrialization
in India, 92, 99
in Latin America, 205
Rent-seeking
and economic growth, 180, 183, 184
as globalization downside, 50–51
and inequality, 165, 232
power of curbed, 234
and third world tariffs, 229
Rent–wage ratio, 157–58
Resource curse, 183–84
as globalization downside, 50–51
and Singer–Prebisch episode, 195
Ricardo, David, 45, 182. See also Neo-Ricardian model of de-industrialization

Rich industrial core, 1. See also
Divergence between rich core nations and poor periphery
in examination of trade-divergence effects 185
growth miracle in (1820–1913), 21–22
tariffs in, 216
Robinson, James, 2
Rogowski, Ronald, 221
Roman empire, inequality measures for, 148, 149
Russia
and exchange rates, 228
export concentration in, 52
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 186
industrialization in, 199, 213
as periphery leader, 214
protectionism in, 222
railway mileage in (1850–1910), 16
tariffs in, 218, 220
terms of trade for, 212
terms of trade boom for, 36, 119
terms of trade data for, 30
terms of trade volatility for, 175, 177
and GDP growth, 178
Rybzynski effect, 61
Sachs, Jeffrey, 183
Salvucci, Richard 123, 125–26
Index

Samuelson, Paul, 221. See also Stolper-Samuelson corollary

Serbia
- export concentration in, 52
- export shares in GDP for, 47
- GDP/exports/terms of trade for (1870–1939), 186
- inequality measures for, 150
- extraction ratio, 151
- for south Serbia (1455), 148, 149, 152
- terms of trade volatility for, 175

Shanghai, industrialization in, 160, 199
- as periphery leader, 214

Shimoda and Harris ("unequal") treaties, 13, 71

Shleifer, Andrei, 182

Siam (Thailand)
- de-industrialization in, 70
- export concentration in, 52
- export shares in GDP for, 47
- GDP/exports/terms of trade for (1870–1939), 187
- industrialization in, 213
- inequality measures for, 148, 149, 150
- extraction ratio, 151
- protectionism in, 222
- as resource-abundant, 146
- tariffs in, 219
- trade liberalization of, 14
- terms of trade for, 212
- terms of trade boom for, 37, 42
- terms of trade data sources for, 30
- terms of trade volatility for, 174, 177
- trade liberalization in, 71
- wage–rent ratios in, 161, 162

Singapore, 1

Singer, Hans, 28

Singer-Prebisch episode (1870–1939), and relation of globalization to great divergence, 184, 185–95

Small country assumption
- for Mexico, 131
- for Ottoman empire, 101
- Smith, Adam, 6, 54, 79, 115, 182
- Social tables, 146–47, 152
- South Africa, inequality measures for, 150
- South Asia. See also India and free trade, 14
- GDP per capita growth of, 6
- growth performance in (1700–1820), 3
- and terms of trade, 206
- terms of trade boom in, 28, 35, 36, 37, 40–41, 41–42, 118
- terms of trade volatility in, 167, 168, 177
- South Asia less India, GDP per capita growth of, 5

Southeast Asia
- GDP per capita growth of, 5, 6
- growth performance in (1700–1820), 3
- and terms of trade, 206
- terms of trade boom in, 28, 35, 36, 37, 41–42, 76
- terms of trade volatility for, 177
- South and Southeast Asia, terms of trade volatility for, 174
- South Korea, 1. See also Korea

Spain
- and exchange rates, 228
- export concentration in, 52
- export shares in GDP for, 47
- GDP/exports/terms of trade for (1870–1939), 186
- industrialization in, 213
- inequality measures for, 148, 149, 150
- extraction ratio, 151
- terms of trade for, 212
- terms of trade boom for, 36, 119
- terms of trade data for, 30
- terms of trade volatility for, 175, 177

Sprao, John, 197
Steamships, 15, 18. See also Transport revolution
and Ottoman trade, 104
Stolper, Wolfgang, 221
Stolper–Samuelson corollary, 221–22, 429–430n.9
Strategic trade policy, 224–25
Structure of protection, 219
Suez Canal, 15, 18, 73
Supply-side forces
and Indian de-industrialization, 41, 77, 86, 89, 91, 98, 99
and drought frequency, 78
in Mexican de-industrialization, 126–27, 130
and Mexican terms of trade, 130, 207
and Ottoman empire, 112, 113
and third world de-industrialization, 54, 74
Sweden
free trade in (19th century), 13
GDP/exports/terms of trade for (1870–1939), 186
inequality measures for, 150
Taiwan, 1
wage–rent ratio trends in, 160, 161
Tanzania, inequality measures for, 150
Tariffs, 215–19
and de-industrialization, 222–23, 225, 227, 233
and industrialization in poor periphery, 214
vs. internal tax sources (core vs. periphery), 224
in Mexico, 139–42, 143
in Ottoman empire, 103
and political economy, 226–27
protecting infant industry, 220, 225
preferable alternative to, 228–29
preferable types of, 229
and railroads as facilitating competition, 223, 226
for revenue, 223–24, 225–26, 226
and scarce-factor compensation, 222–23, 225, 227
and Stolper–Samuelson corollary, 221–22
and strategic trade policy, 224–25
Tax-transfer mechanisms, as compensation, 228
Technology transfer
and Ottoman de-industrialization, 110
from trade, 46
Telegraph, 11
Terms of trade, 7, 236n.1. See also Gains from trade
for China, 72, 212
and comparative advantage in agriculture, 101
for core vs. periphery, 188–89
and economic growth, 8, 46
for Egypt, 111–12, 133, 211, 212
from 1870 to 1939 by country, 186–87
and GDP (1870–1939), 192
for India, 75, 76, 86, 118, 212
for Indonesia, 42, 133, 211, 212
and India, 37, 40–41, 236n.10
in Japan, 212
for Latin America, 119, 133
income terms of trade, 207, 208
and industrialization, 205, 206–207
measure of, 29
for Mexico, 127, 131–33, 142, 206, 212
income terms of trade, 208
internal for agriculture, 135
and openness, 27
for Ottoman empire, 106, 108, 110–12, 116, 118, 133, 212
for poor periphery, 53, 212, 214, 226
absence of detrimental trend in, 197–98
and de-industrialization, 60, 74, 225
and industrialization, 211
slump in, 9
stability of (18th century), 30, 31
and tariffs, 224–25
variance in, 34–35
and wage–rent ratio, 157
during Prebisch–Singer period
(1870–1939), 188
question of exogeneity of, 189–90, 207
Terms of trade boom, 8–9, 25, 27–28, 231
and de-industrialization in neo-
Ricardian model, 57
and great divergence, 185–87, 232–33
in poor periphery, 26, 28, 30–33, 44, 145
Ceylon, 119
and Chinese or East Asian
eXceptionalism, 33–34, 72–73
data gathered for, 28–30
and de-industrialization, 119, 145, 180, 222, 225
East Asia, 28, 36, 37, 42–43
and economic growth, 181, 198, 233
Egypt, 37, 39–40, 66, 118, 119
European periphery, 28, 35, 36
India, 37, 40–41, 236n.10
Indonesia, 37, 119
and inequality, 180 (see also
Inequality)
Italy, 119
Japan, 42–43, 71, 159
Latin America, 28, 35, 36, 37, 38–39, 76, 119
vs. living standards, 119
Mexico, 37, 132, 238n.1
Middle East, 28, 35, 36, 37, 39–40, 76
Ottoman empire, 101, 106, 110–11, 112, 118, 119
Ottoman Turkey, 37, 39–40
Philippines, 37, 42, 119
pre-1870 period, 196
and resource curse, 50–51
Russia, 119
South Asia, 28, 35, 36, 37, 40–41, 41–42, 118
Southeast Asia, 28, 35, 36, 37, 41–42, 76
Spain, 119
United Kingdom, 32
variance in, 34–35, 36–37
Terms of trade slump, 9, 27
Terms of trade volatility, 167, 232, 233
and economic growth, 119, 180, 184, 198
and great divergence, 191–94, 195
in 1700–1939 period, 171–79
Textile boom, as Indian
de-industrialization offset, 84–85
Textiles. See also Cotton spinning
Britain’s technological lead in, 135
cotton as input for, 21
as de-industrialization gauge, 60–61
and India
absence of productivity advance in, 94
exports of, 79, 84, 239n.7
in Latin American economy, 200–201
as import, 21
and local share of domestic textile
market, 64, 65, 106–107, 129, 196, 200
in Mexican economy, 123–29, 135, 138, 140
and government policy, 141–42
in neo-Ricardian model of
de-industrialization, 54–57
Thailand. See Siam
Third world. See also Poor periphery
GDP growth rate average in (1820–
1913), 46
GDP and industrial output
performance in, 22
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page Numbers</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third world (cont.)</td>
<td>196</td>
<td></td>
</tr>
</tbody>
</table>
inequality measures for, 150
internal trade barriers destroyed in, 15
railroads in, 15, 19
railway mileage in (1850–1910), 16
tariffs in, 141, 216, 217, 218, 219, 220, 224, 225
Uruguay
commodity exports from, 207
export concentration, 52
export shares in GDP for, 47
GDP/exports/terms of trade for (1870–1939), 187
tariffs in, 218
terms of trade (income) for, 208
terms of trade volatility for, 174
and wage competitiveness, 209
wage–rent ratios in, 161
van der Eng, Pierre, 70
van der Ploeg, Frederick, 197
van Zanden, Jan Luiten, 70
Venables, Anthony, 183
Venezuela
commodity exports from, 207
and exchange rates, 228
export concentration, 52
terms of trade for, 212
income terms of trade, 208
terms of trade boom for, 37
terms of trade data sources for, 30
terms of trade volatility for, 177
Vishny, Robert, 182
Voracity effect, 183

Wage competitiveness, Mexican, 133–37
Wage–rent(al) ratio, 156
for Britain, Ireland, Denmark, and Sweden, 162
in East Asia, 160
in Europe, 160
in Japan, 159–60
for Japan, Korea, and Taiwan, 162
in Korea, 160
in Punjab, 160
in Taiwan, 160
in third world (1870–1939), 161
Wages
and Latin American industrialization, 205, 207, 209
real wages and de-industrialization, 88–89
War, and price volatility, 179
Ward, Henry George, 127–28
Warner, Andrew, 183
Waterloo, battle of, as turning point, 12
Western Europe. See also Rich industrial core
GDP per capita growth of, 5, 6
GDP and industrial performance in, 22
growth performance in (1700–1820), 3
inequality in, 155
in 1960 economic order, 2
Western Europe offshoots, GDP and industrial output performance in, 22
World economic order (1960), 102
World market integration, 23