

## Index

---

- Academy of Sciences in Paris, 21  
 Ackerknecht, Erwin H., 83  
 Adley, C. C., 142–144  
 advertisements, 151–152, 239, 240, 241,  
   242, 243, 291–292, 297  
   monsters in, 299  
 Africa, 260  
 agriculture, 138–141  
 Ajmer-Merwara province, 257  
 Albarello drug jar, 92  
 Algeria, 34, 146–147  
 Allen, T. T., 208  
 Allen, W. E., 186  
 Andaman Islands, 188, 214, 223, 254  
 Anderson, Thomas  
   bamboo, 139  
   cinchonas, 48–49, 56, 57–60, 61  
   Dutch Java, 41–46  
   experiments, 50–52  
   manufacturing quinine, 170, 173,  
   189  
   South America, 41  
   transporting plants, 39  
 Anderson, Warwick, 114–115, 298  
 Andes mountains, 43  
 ‘Anti-malaria Society’, 296–298  
 anti-malarial projects, 256–257  
 anti-realist fiction, 1  
*Arakshaniya (The Unmarriageable)*, 289  
 Arbuthnot and Co., 206  
 Arnold, David, 122, 154  
 Assam, 106, 222, 231, 299  
 Australia, 147  
 ‘Ayurbedey Malaria’ (‘Malaria in the  
   Ayurveda’), 290–291  
 Ayurveda, 288, 290–291
- bamboo, 139–140  
 Bandong, 59  
 Bangdong, 42  
 Barer, Marshall A., 279–280  
 Barker, Thomas, 89–90, 109–110
- Beatson, J. F., 185, 186, 191  
 ‘becoming with’, 12, 67, 73, 271  
 Beddome, Colonel R. H., 192, 195, 196  
 beef eating, as cause of malaria, 133  
 Bein, Alex, 254  
*Bellaty Bharandah*, 138  
 Bengal, 7–8, 55, 118, 120–155  
 Bengal Government, 61  
 Bengali writers, 102–103, 116–117,  
   282–298, *see also* ‘Morbus  
   Bengalensis’  
 Bensley, Dr, 232  
 Bentley, Dr C. A., 253  
 Betar Jagat, 296  
 Bettington, J., 104  
 Bewell, Alan, 74  
 Bhattacharya, Amritalal, 103  
 Bhishak Darpan, 290–291  
*Bibidha Mahaushadh*, 151  
 Bidie, G., 206  
 Bird, Robert, 181  
 Blume, 34  
 Board, Ernest, 31, 32  
 Board of Ordinance, 85  
 Boehringer, Alexander, 164  
 Boehringer, Christian, 164  
 ‘botanical curiosities’, 62  
 Brandis, Dr, 56  
 British Empire, 1–16, 118–119, 269–272,  
   273–303  
   British rule in India, 31–36, 64–68, 70  
   colonial, 90–103, 156–215  
   and native medicine, 282–298  
   and natural knowledge, 9–10  
   nonhuman empire, 298–303  
   quinine as product of, 160  
 British Indian Association, 140, 145  
 British Sikkim  
   and Bengal, 63  
   experiments, 50–51  
   factories, 156–215  
   Munsong, 51, 66

- plantations, 69  
 Rungbee, 54  
 Broughton, J.  
   cinchonas, 48, 189  
   manufacturing quinine, 168, 170, 172, 173  
   resignation, 178  
 Brown, T. E., 101  
 Buckland, C. T., 145–146  
 Burdwan, 120–155  
 Burdwan fever, 8, 120–155, 284, 290  
 ‘Burdwan Fever’, 128  
 Burma, 55–56, 139–140, 174, 219, 230  
 Burroughs, Wellcome and Co., 222, 262–263  
 Butler, Mr, 204  
  
 Cadell, Lieutenant-Colonel T., 188  
 caffeine, 23  
 Calcutta, 74–75  
*Calcutta Gazette*, 208  
*Calcutta Journal of Medicine*, 128, 284  
 Caldwell, Charles, 83  
 Cameroons, 261–262  
 Campbell, Sir George, 133–134, 147  
 Caravaya, Peru, 33  
 ‘Causation and prevention of malaria’, 256  
 ‘The Cause of Burdwan Fever’, 133  
 Caventou, Jean Bienaime, 20–22, 31, 32  
 Census Report 1871, 131  
 Cevadilla seeds, 24  
 Ceylon, 53, 65, 96, 204  
 Chakrabarty, Dipesh, 102  
 Chatterjee, Sunjeeb Chunder, 135, 136–137, 290  
 Chattopadhyay, Karal Chandra, 151–152  
 Chattopadhyay, Sarat Chandra, 289, 296  
*Chikitsa Sammilani*, 102–103, 128  
 Chimborazo, 33  
 cholera, 125  
 Christophers, Captain S. R., 253  
 Chuckerbutty, Babu Thakur Dass, 137–138  
 ‘Cinchona’, 201  
 cinchona  
   ‘cinchona disease’, 125–128, 284  
   cinchona febrifuge, 184–193, 201, 202, 203–204  
   plantations, 41, 52–54, 55–56, 221  
   plants, 17–70, 90–103, 167, 193–198, 218–223  
   plants, feminine attributes of, 39  
   plants as delicate, 36–37  
   ‘Cinchonas, their history, uses and effects’, 25  
   ‘civilising process’, 298  
 Clarke, C. B.  
   *Bellary Bharandah*, 138  
   cinchonas, 189  
   cinchonidine, 171, 182  
   Dutch Java, 164  
   manufacturing quinine, 161, 170, 173, 174–175, 176  
   plantations, 54–55  
 Cleaver, Dr E. L., 205–206  
 cocaine, 221  
 cocoa, 221  
 colonial, 90–103, 156–215, *see also* British Empire  
 colour of malaria, 112–113  
 coloured quinine, 165, 201, 202, 233, 234–235  
 commercial profits, 142–143  
 committees, 256  
 commodities for dealing with mosquitoes, 239, 240, 241, 242, 243  
 ‘commodity racism’, 214  
 ‘commodity spectacle’, 213  
 ‘commodity-in-motion’, 231  
 communication of malaria, 148–150  
 community associations, 294–295  
 Cook, Harold, 36  
 Cooper, F., 10, 270  
 Cornish, Dr, 206  
 Cotes, E. C., 239–246  
 Cromwell, Oliver, 79  
 Cross, Robert, 33, 195  
 ‘the Cryptogammic origins of malarial fever’, 99  
 Cunningham, J. M., 191  
 Cunningham, R. W., 182, 186  
  
 Danvers, F. C., 201  
 Darjeeling, 50, 170, 183, 199  
 Darjeeling Terai, 221  
 de Canizares, Don Juan Lopez, 30  
 De Castro, Viveiros, 271  
 de Jussieu, J., 30  
 de Vrij, J. E., 59, 60, 164, 175, 176, 179, 181, 187  
 Debi, Showdaminy, 144  
 degeneration, and malaria, 252  
 Delhi Normal School, 259  
 Delondre, Auguste, 22  
 Delondre, M., 34  
 Dempster, T. E., 104–105

## 326 Index

- Deronse, Charles, 23  
 ‘Destroying Angel’, 79  
 Dey, Rai Bahadur Kanai Lall, 175  
 ‘disappearance’ of malaria from United States and Europe, 279–280  
 disseminating information  
   about malaria, 216–230, 272  
   about mosquitoes, 245–246  
   about quinine, 230  
 distribution of quinine, 216–272  
 Dobson, Mary, 83  
 Dodabetta, 44–45  
 Dodds, George, 110–111, 112  
 drainage, 141–147  
 Drainage Commissioners, 143–144  
 Drayton, Richard, 67  
 Duars plantation, 260–261  
 Ducas, C., 136–137  
 Duncan Junior, Andrew, 21  
 Dunglinson, Dr Robley, 24  
 Dutch Java  
   cinchonas, 44–46, 58, 59, 224  
   manufacturing quinine, 222–223  
   plantations, 29, 34, 42–44  
   presented seeds to British India, 57–60  
   supply of cinchonas, 216  
 Dutt, Dina Bondhu, 125  
 Dutta, Mahim Chandra, 235–236  
 Dutta, Shashi Kumar, 235–236  
  
 East Bengal, 222  
 East India College, Addiscombe, 85–86  
 East India Company, 10, 34, 85–86, 94, 191  
 ‘ecology of knowledge’, 72  
 Economic Entomology, department of, 239  
 Ecuador, 60  
 Ecuador Land Company, 60  
*Edinburgh Medical Journal*, 104  
 Edinburgh University, 84  
 Edwards, Joseph, 88  
 effluvium, 90  
 Egypt, 13  
 Elliot, Dr, 145  
 ‘embourgeoisement of imperialism’, 10, 270  
 Emigration Board, 107–109  
 engineers, special, 135–137  
 England  
   factories in, 198–203  
   malaria in, 79  
*Englishman*, 139  
*An Enquiry into the Origin and Intimate Nature of Malaria*, 84  
  
 essay competitions, 151  
*Essays on Malaria and Temperament*, 83  
 Europe, malaria in, 79–81  
 exotic plants, cinchonas as, 36–37  
 ‘experimental plantations’, 17  
 experiments, 50–54  
  
 Fabbrica Lombarda de Prodotti Chimici, 164  
 factories, 156–215  
   British Sikkim, 156–215  
   in England, 198–203  
   government, 158–159, 218–219  
   Mungpoo, 156–215  
   ‘packing’, 227–230  
   Rungbee, 156–215  
 ‘the fairest of Peruvian maids’, 39  
 Farr and Kunzi, 24  
 Fayrer, Joseph, 15–16, 101–102  
 feminine plant attributes, 39  
 fever  
   Burdwan, 8, 120–155, 284, 290  
   ‘Burdwan Fever’, 128  
   ‘The Cause of Burdwan Fever’, 133  
   ‘the Cryptogrammic origins of malarial fever’, 99  
   *Indian Medical Gazette*, 133  
   *Jvar Chikitsa (The Treatment of Fevers)*, 103  
   ‘Lower Bengal Epidemic fever’, 121  
   ‘malarial fever’ as term, 249–252  
   Mauritius fever, 106–109, 110  
   ‘On the References to Intermittent Fever in Shakespeare’, 101  
   *The Theory and Treatments of Fevers*, 26  
 Français, 91, 94  
 France, malaria in, 79  
 fraudulent quinine, 163, 232–236  
 French, Dr, 125  
 French Algeria, 29, 57  
 French Algiers, 60  
 French colonies, 34  
 fundraising, 256–257  
  
 Gage, A. T., 223, 234  
 Gammie, James Alexander, 182–184, 188–189, 192–193, 194, 196–197, 204, 207, 210  
 general epidemics, 152–153  
 geographies of malaria, 71–119  
 Geological Society of London, 84, 86  
 George Atkinson and Co., 205  
 germ theories, 96–97  
 German officers, 260, 261–262

- ‘ghastly’ religious rites, 263, 266  
 Ghose, Rakhai Chandra, 284  
 Ghosh, Doyal Krishen, 103, 288  
 Ghosh, Durgadas, 103  
 Ghosh, K. D., 117  
 ‘the ghost of the swamp’, 91, 95  
 Gomes, Bernardino Antonio, 21  
 Gordon, C. A., 99, 117  
 government  
   actions due to malaria, 104–109  
   factories, 158–159, 218–219  
   plantations, 54  
   quinine, 216–223, 272  
   stamps of purity, 235  
 Grainger, 90  
*The Graphic*, 182, 183  
 Grote, Mr A., 61  
 Gurdaspur Quinine Distribution Society,  
   267–268
- Haig, Colonel, 132, 137  
 Haraway, Donna, 12, 67, 271  
 Hardy, Dr, 83  
 Harrison, Mark, 122, 154  
 Hartington, Marquis of, 198–203  
 Harveian Society of Edinburgh, 23  
 Headrick, Daniel, 156  
 Henderson, Colonel, 206  
 Henry, L., 22  
 Herge, 293  
 Hesse, O., 171  
*The Highlands and Western Isles of Scotland*,  
   85  
 Himalayas, 63  
*Hindu Patriot*, 141  
 Hindus, 286–287, 289  
 Holland, 223  
 Hooghly and Burdwan Drainage Bill,  
   143–144  
 Hooghly district, 142–144  
 Hooker, William Dawson, 17, 39  
 Hooper, D., 205–206  
 Hoskins, Janet, 64  
 householders, 295–296  
 Howard, David Lloyd, 29  
 Howard, John Eliot  
   books, 28, 55, 162  
   British Sikkim, 187–188  
   Christian beliefs, 85  
   cinchona febrifuge, 187, 190  
   cinchonidine, 176–177  
   death, 205  
   judging purity of quinine, 167, 168–169,  
     173  
   manufacturing quinine, 178  
   quinetum, 175  
   South America, 26–29  
 Howard, L. O., 247  
 Howard, Luke, 24, 26  
 Howards and Sons, 160–161  
   as authorities on quinine, 167–169, 173  
   coloured quinine, 160–161  
   hierarchy, 205  
   judging purity of quinine, 171, 172–173,  
     176–181  
   manufacturing quinine, 162–163, 174,  
     210  
   Nilgiris, 199, 201  
   quinine, 27  
 Huamalties, 33  
 Huanuco, 33  
 Hudgkinson, Mr, 147  
 Hunt, E. H., 263  
 ‘The Hygiene of Malaria’, 99, 117
- ill-nourishment as cause of malaria, 132  
*Illustrations of Himalayan Botany*, 34  
 ‘imaginative geographies’, 74  
 immigrants, 106–109  
 Imperial Malaria Conference (1909), 9,  
   10, 257, 268  
 Imperial Passenger’s Act, 108  
 ‘The Improvement of Malarious  
   Countries’, 101  
 improvements due to malaria, 104–109,  
   141–147  
 ‘improving plantocracy’, 67  
 Indian Emigration Act, 108  
 Indian labouring convicts, 214  
*Indian Medical Gazette*  
   Australia and Bengal, 147  
   Burdwan fever, 133  
   colour of malaria, 112  
   drainage, 142  
   epidemics, 152–153  
   Ghose, 117  
   hospitals, 117  
   malaria in history, 101  
   Oldham, 99  
 Indian People’s Famine Trust, 257  
 ‘Indian plantations’, 52–56, 62–64  
 Indian Tea Association, 239  
 indigenous rejection of quinine, 284  
 indigenous substitutes for quinine,  
   284–286  
 inequalities caused by malaria, 280  
 Innes, Dr Ker, 190  
 ‘interiors’, 231  
 Irving, J., 191  
 Italy, malaria in, 80

## 328 Index

- Jackson, Dr, 149  
 Jamaica, 204  
 James, Captain S. P., 256, 263–267  
 Jameson, W., 48, 61  
 Jesuits, 30  
 Jones, Richard, 239  
 Jones, W. H. S., 251  
 Junghuhn, Dr, 57, 59  
 jute, 140–141  
*Jvar Chikitsa (The Treatment of Fevers)*, 103
- Kabra, Rai Saheb B. L., 219  
 Karsten, Hermann, 26, 43  
 Kendeng mountains, 42  
 Khan, Monaim, 150  
 killing mosquitoes, institutionalised, 243–244, 245
- King, George  
   Bengal plantations, 184  
   cinchona febrifuge, 189, 191–192, 202, 203  
   Gammie, 192–193  
   ledgeriana, 196  
   manufacturing quinine, 208–209  
   plantations, 193–195  
   purity of quinine, 220  
   trips, 198
- Koch, Robert, 247  
 Korean War, 293
- La Roche, R., 89  
 labour mobility, 134  
 labourers, 63–64, 65, 66, 68–69, 93, 260–261, 262
- Lahiri, Saracchandra, 290–291  
 Lahore Central Jail, 263  
 land tenures, 133–134  
 landlords, 145  
 Laplante, Charles, 38  
 Latour, Bruno, 14  
 Laveran, Alphonso, 251  
 Ledger, Charles, 194  
 ledgeriana, 194, 196–197  
 Leslie, J. T. W., 251  
 ‘lessons on quinine’, 267–268  
 Linnean Society, 26, 86  
 literature, parasites in, 250, 254  
 literature about mosquitoes, 247–249  
 living conditions, 131–132, 252, 253  
 Livingstone, David, 98  
 local governance, 130–134  
 local improvements, 130–134  
 local inhabitants, 96  
 ‘localised negotiations’, 19
- London, 198–203  
   drainage, 86–87  
 Low, Alexander, 74–75  
 Low, James, 74–75  
 ‘Lower Bengal Epidemic fever’, 121
- Macaulay, Colman, 207  
 MacCulloch, John, 8, 75–81, 82, 83–90, 94, 103, 118  
 MacDonnell, A. P., 203  
 MacGilchrist, Major, 260  
 Macgowan, A. T., 100  
 Macnamara, Dr, 193  
 Macpherson, D., 38, 49, 52, 57–59  
 Madras, 59  
 Madras Government, 57, 61, 64  
 Maehle, Andreas Holger, 22  
 Magendie, Francois, 24  
 Malabar mountains, 42  
 ‘malaria,’ term, 83, 88
- malaria  
   beef eating as cause of, 133  
   caused by under-feeding, 132  
   and climate, 98–99  
   colour of, 112–113  
   communication of, 148–150  
   as countable, 255  
   diagnostic category of, 71–119  
   different varieties of, 254  
   ‘disappearance’ of from United States and Europe, 279–280  
   disseminating information about, 216–230, 272  
   doubt of existence of, 153  
   government actions due to, 104–109  
   ill-nourishment as cause of, 132  
   improvements due to, 104–109, 141–147  
   inequalities caused by, 280  
   migration of, 76  
   rhythms of recurrence of, 124  
   in tropical lands, 281  
   underdevelopment caused by, 280  
   writings about, 71–119, 256
- Malaria*, 75–81, 82  
*Malaria, A Neglected Factor in the History of Greece and Rome*, 251  
 ‘Malaria vs. Recognisable Climate Influences’, 117  
 malarial colonies, 90–103  
 ‘malarial fever’ as term, 249–252  
 ‘malarial objects’, 13, 15, 72–74, 119, 302  
 ‘malarial situations’, 76–78  
 ‘malarial subjects’, 15–16, 123–125  
*A Malariologist in Many Lands*, 279–280

- Malariology, 83  
 Malayan archipelago, 43  
 Mann, Gustav, 56  
 Manson, Patrick, 249, 257  
 manufacturing quinine, 156–215  
 Maoist insurgents, 1  
 Markham, Clements Robert  
   cinchonas, 51, 176  
   and Cross, 195  
   death of Cromwell, 30  
   and Howard, 26  
   Nilgiris, 44–45, 47, 60  
   Peru, 30  
   quinine, 31  
   writings, 29, 30, 31–36, 41  
 Martin, Sir Ranald, 90  
 Massachusetts, 146  
 Massy, Dr, 149  
 ‘matter of exchange’, 36  
 Mauritius fever, 106–109, 110  
 McClintock, Anne, 214  
 McCollom, John H., 249  
 McIvor, William G., 47, 54–55, 56, 194  
 ‘McIvor’s hybrid’, 195  
 medical advertisements, 151–152  
 medical journals, 97, 284  
 medical practitioners, ‘other archive’,  
   151–152  
*Medical Times and Gazette of London*, 101,  
   114  
 Medico-Chirurgical Society of Edinburgh,  
   110  
 Mediterranean, malaria in, 79  
 Meissner, K. E. W., 23  
 Meldrum, Charles, 106–109, 110  
 Metcalfe, Samuel, 90  
 Meteorological-Malthusian theory, 137  
 Method of Differences, 138  
 Mexico, 57  
 migration of malaria, 76  
 military vocabulary in war on mosquitoes,  
   296–298  
 Mill, J. S., 138  
 Mitchell, Timothy, 13, 188  
 Mitman, Gregg, 72  
 Mitra, Digambar, 141, 149  
 ‘mixed cinchona alkaloids’, 165–166  
 Money, J. W. B., 194  
 monsters in adverts, 299  
 Montyon Prize, 21  
 Mookerjee, Baboo Joykrishna, 143, 146  
 Moore, J. W., 117  
 Moore, Major, 153  
 ‘moral life’, 80–81  
 ‘Morbus Bengalensis’, 284  
 Morley Minto Reforms, 10  
 morphine, 21, 23  
 ‘mosquito brigades’, 238, 246–247  
 mosquitoes  
   as cause of malaria, 13, 216–258, 272  
   collecting, 239  
   commodities for dealing with, 239, 240,  
     241, 242, 243  
   as countable, 255  
   different varieties of, 254  
   disseminating information about,  
     245–246  
   institutionalised killing of, 243–244, 245  
   literature about, 247–249  
   military vocabulary in war on, 296–298  
   ‘war of’, 236–249  
 Mukhopadhyay, Jodunath, 123–124,  
   125–126, 286  
 Mundy, Colonel, 147  
 Mungpoo, 158–159, 182, 204, 207,  
   218–219, 221  
   factories, 156–215  
 ‘Mungpoo process’, 209–210  
 museums, 62  
  
 naming quinine, 185  
 narcotine, 23  
 ‘natural forests’, 42, 43, 44, 91  
 Neddivattum, 44–45  
*Neuva Quinologia of Pavon*, 26–28  
 New Grenada, 33  
 Nicobar Islands, 188, 214  
 Nilgiris, 44–45, 47, 54, 58, 61, 63, 68–69  
 nonhumans, 11, 119, 122, 154, 213, 218,  
   269, 271  
 nonhuman empire, 298–303, *see also*  
   separate entries for mosquitoes,  
   quinine, ‘malarial objects’, cinchonas,  
   and other plants  
  
 North Bengal, 223  
 Northbrook, Lord, 151, 290  
 Nux Vomica, 23  
  
 Odevaine, F., 166, 186  
 Oldham, C. F., 98–99, 114, 115–116  
*On Malaria and Miasmata*, 89–90  
*On the Cultivation of Quinine in Java and  
   British India*, 60  
 ‘On the Malaria and the Medical  
   Topography of Oudypoor’, 83  
 ‘On the References to Intermittent Fever  
   in Shakespeare’, 101  
 Ootacamund, 205  
 opium, 3, 21, 23

## 330 Index

- other-than-humans, 11  
 Oudemans, A. C., 171  
 ‘undergrowths’, 134–138
- ‘packing factories’, 227–230  
 palatable quinine, 263, 264, 265  
*Palli Samaj (Village Society)*, 296  
 Palmero, Juan Riera, 83  
 parasites and primitives, 253–254  
 parasites in literature, 250, 254  
 Parke Davis and Co., 222  
 Parkes, E. A., 112–113  
 Pasteur, Louis, 21–22, 171  
 Paul, Dr J. L., 161, 165  
 Paul, G. C., 208  
 Pearse, Dr, 108  
 pedagogical programmes, 263–268  
 Pelletier, Pierre Joseph, 20–22, 23, 26, 31,  
 32, 75, 175  
 Pellew, Mr, 132  
*Penny Magazine*, 91, 93  
 Peretti, Pietro, 24  
*Peruvian Barks*, 29  
 Pettenkofer, 90  
 Philippines, 253  
 Phillips and Jenkins, 167  
 photographs, 63–64  
 ‘pice packet system’, 227–230  
 Pilcher, Dr, 191  
 Planchon, Gustav, 29, 30, 173  
 plantations, 41  
   government, 54  
   private, 52–54, 221  
   state-owned, 221  
   tea, 106, 221  
   training of managers, 55–56  
 plants, as nonhumans, 299  
 policing purity, 232–236  
 post offices distributing quinine, 227–230  
 poverty  
   colonial poor in India, 34  
   and malaria, 252  
   and mosquitoes, 253  
   and quinine, 223–231  
 Prain, David, 219–220, 233  
 ‘Prevalence of organic disease of the spleen  
   as a test for detecting malarious  
   localities on hot climates’, 104–105  
 ‘primitives’  
   immunity, 113–116, 154–155  
   and parasites, 253–254  
 prisoners, 107  
 Pritchett, G. J., 33, 38–39, 43  
 private plantations, 52–54, 221  
 prizes for research, 245, 290
- Proofs and Illustrations of the Attributes of  
 God*, 85  
 Punjab, 259  
 purity, policing, 232–236  
 purity of quinine, 156–173, 215  
   authority to judge, 167  
   certificates of, 235  
   distribution, 129–130  
   government stamps of, 235  
   and price, 219–220  
   seals, 235
- quinine  
   back in favour, 181–184  
   bottle of, 27  
   as cause of malaria, 284  
   coloured, 165, 201, 202, 233, 234–235  
   cost of, 218–223  
   depleting faith in, 129  
   discovery of, 204–210  
   disseminating information about, 230  
   distributing, 216–272  
   distribution, 257–268, 269  
   distribution by post offices, 227–230  
   encouraged consumption, 258–268  
   enforced consumption, 258–268  
   and epidemics, 125–128  
   exclusive, 160  
   exclusive manufacture of, 160  
   expensive substitutes, 203–204  
   factories, 156–215  
   fraudulent, 163, 232–236  
   government, 216–223, 272  
   improvements to, 128–130  
   indigenous rejection of, 284  
   indigenous substitutes for, 284–286  
   invention of, 204–210  
   manufacturing, 156–215  
   in military barracks, 258–260, 261  
   naming, 185  
   ‘other alkaloids’, 170–171  
   palatable, 263, 264, 265  
   for the poor, 223–231  
   in prisons, 258–260  
   recycled packaging as fraud, 235  
   in schools, 258–260  
   substitutes, 173–176  
   theft of, 160–161, 164–165, *see also*  
     purity of quinine  
   ‘quinine parades’, 259  
*Quinology of East Indian Plantations*, 28, 55
- Raffles, Hugh, 254  
 race(s), 2, 72–74, 80–81, 107, 109–116,  
 141, 159, 216, 253

- regions, 109–116  
 research expeditions, 239  
 rhythms of recurrence of malaria, 124  
 Rice, Dr, 210  
 Riedel, 24  
 Risley, Herbert, 268, 291  
 Rockefeller Foundation, 292  
 Rogers, Leonard, 148, 150, 238, 249–251  
 Roman Empire, 111–112  
 Rosengarten and Sons, 24  
 Ross, Ronald, 237–239, 244, 247, 251, 255, 292  
 Roupell, N. A., 200  
 Roy, Gopaul Chandra, 116–117, 124, 125, 151, 290  
 Roy, Raja Poorno Chunder, 143  
 Royal Botanic Gardens at Kew, 28  
 Royal Society, 26, 86  
 Royle, Dr Forbes, 34  
*Rule of Experts*, 13  
 Rungbee, 51, 54, 179, 180  
   factories, 156–215  
 Runge, F. F., 24  
 Russell, E. G., 100
- sabadilline, 24  
 Salisbury, James Henry, 99–100  
 Salonika, 260  
 Sand, Maurice, 91  
 Sanitary Commission of Mauritius, 106–109  
 Sanitary Commissioners, 225  
 sanitation, 147  
   against mosquitoes, 246, 292  
 Sappington, Dr John, 24, 26  
 Saunders, Dr, 132  
 Science studies, 14, 218  
 ‘Science Studies and the History of Science’, 3  
 Scotland, 85  
 seals of purity, 235  
 Seaton, Captain W. J., 40, 55–56  
 Seorapooly Rajas, 142–143  
 Sepoy mutiny (1857), 10, 34, 68, 100  
 Serturmer, F. W., 21, 23  
 Shah, Chetan, 166  
 Shukin, Nicole, 271  
 Sierra Leone, 247  
 Sikkim  
   and Bengal, 63  
   experiments, 50–51  
   factories, 156–215  
   Munsong, 51, 66  
   plantations, 69  
   Rungbee, 54
- Simla, 9  
 Sinchal, 50–51  
 Smith, G., 172, 189  
 Smyth, Captain, 79  
 snakes, 299  
 South America, 17, 26, 30, 31–36, 91, 194, 195, 197  
 Special Anti-Malarial Measures Act for India (1907), 260  
 ‘spleen rates’, 255  
 Spruce, Richard, 33  
 state-owned plantations, 221  
 Stebbing, E. P., 243  
 Sternberg, George M., 115  
 Stewart, M. J. Shaw, 139  
 Stoler, A. L., 10, 270  
 strychnine, 23  
 substitutes of quinine, 173–176  
 sunflowers, 145–146  
 Sutherland, John, 147, 150  
*Swasthya*, 102–103, 118  
 Switzerland, malaria in, 80  
 Sydenham, Thomas, 101
- Tagore, Baboo Joteendro Mohun, 140, 145  
 Tagore, Rabindranath, 5, 296–298  
 tea estates, 53–54  
 tea plantations, 106, 221  
 Temple, Sir Richard, 126, 185  
 term ‘malaria’, 83, 88  
 theft of quinine, 160–161, 164–165  
*The Theory and Treatments of Fevers*, 26  
 ‘thing-in-motion’, 231  
 Thompson, Dr H. T., 139  
 Thompson, R. T., 145–146  
 Thwaites, Mr, 56  
*Tintin in Congo*, 293  
 Tiree Raja, 61  
 Togo, 261–262  
 ‘totalizing efficacy’, 11  
 training of plantation managers, 55–56  
*Transactions of the Medical and Physical Society of Calcutta*, 83  
 trans-imperial exchanges, 57–60  
 travellers, 36–40, 157  
 ‘travelling epidemic’, 147–150  
*Travels in Peru and India*, 29, 31–36, 47  
 Trigonometrical Survey, 85  
 Trinidad, 188  
 ‘Tropical Malaria and its Sequels’, 110–111  
 Turner, Morrison and Co., 222  
 typhus, 126



332 Index

- underdevelopment caused by malaria, 280  
 under-fed, 132  
 United States, 204, 222, 243–244, 293  
 ‘Use and Abuse of Quinine in Fever’,  
 284
- Vega, Anastasio Rojo, 83  
 vegetation, 134–138  
 Vercherie, Albert M., 125, 126  
 von Liebig, Justin, 112  
 Von Richthofen, Baron, 59
- ‘the waiting room of history’, 102  
 Walcott, S., 108  
 Walker, W., 187  
 ‘war of mosquitoes’, 236–249, 250  
 ‘war with malaria’, 5  
 Watt, George, 243  
 Wauchope, S., 173  
 Weddell, Dr, 34, 57
- Wedden, Hugh Algernon, 26  
 Wellcome, Henry, 210  
 West Indian Emigration, 108  
 Western India, 104  
 ‘wetness’, 77–78  
 Whiffen, Thomas, 161–162, 193, 205  
 Whiffens, 161–162, 199, 201  
 wild animals, 299  
 Wilson, Mr. N., 56  
 Wilson, Thomas, 84, 86–87, 95, 111–112,  
 114  
 Winckler, F. L., 22  
 Wood, C. H., 177–179, 183, 184–193,  
 208–209  
 World War I, 260  
 Wrigley, Richard, 83  
 writings about malaria, 71–119, 256
- zones, 109–110  
 ‘zoopolitics’, 271