

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)

INDEX

- Abad y Queipo, Manuel, 24, 100, 115, 243, 301
- Abasolo Mariano, 344
- Acámbaro, 277, 297
- Acapulco, 96-7
- Adits, 135, 184, 262
- Agriculture, early years, 4-5, 8-9; crops, markets, 15-16; government neglect, 28; effects of repartimiento, 84-6; clerical domination, 91; haciendas, profits, debts, 215-19; in Bajío 230-2; amortisation, 340-2; *see also* haciendas
- Aguascalientes, 190
- Aguiar, Joaquín de, 323, 356
- Aguirre, Francisco Miguel de, 139, 196, 310
- Aguirre y Viana, Guillermo de, 341
- Ahumada, Juan Antonio de, 210
- Ajofrín, Francisco de, 109, 209-11, 276-7
- Alamán, Juan Vicente, 280, 283, 293; life 299-300, 305, 316, 322, 328, 348-9, 355-7; Lucas, 20, 109-10, 129, 146, 211-12, 215, 243, 305, genealogy, 349; Tomás, 300, 343 n., 350, 356
- Alamos, 197
- Alcabalas, *see* excise duties
- Alcaldes mayores, criticism, 45-6; in south, 48-51, 82; wages, 85; in Guanajuato, 240; *see also* subdelegates and repartimientos
- Alcaldes ordinarios, 46-7, 74-6, 320, 335
- Alcaraz, Count of, 183, 348
- Aldaco, Manuel de, in Las Vizcaínas, 108; origin, 120; compadre of Castañiza, 124; advisor of viceroy, 160; friend of Gamboa, 162; advisor of Gálvez 163, 170; prior of consulado, 173; life work, 176-9, 182; in Real del Monte, 184; Borda's backer, 198; in Guanajuato, 265-7; *see* Fagoaga
- Aldama, Juan, 344
- Alegría, Martín José de, 72, 75
- Alhóndiga de Granaditas, 245-6, 343-4
- Alipasolo, Francisco, 266, 305 n., 350
- Allende, Domingo Narciso de, 341; Ignacio, 344
- Alles, Pedro Alonso de, first Marquis of Santa Cruz de Inguanzo, 99, 105, 116
- Almaceneros, 97-9, 114-17, 150, 267, 338, 342; *see also* merchants
- Almadén, 11, 141-2
- Altamira, first Marquis of, 105; *see also* Sánchez de Tagle
- Alzate Ramírez, José Antonio de, 142
- Amalgamation, introduction, 10-11; technique, 138-40; costs, 153-6; in Bolaños, 188; in Guanajuato, 282-3
- Amat y Tortosa, Andrés, 241
- Amigos del País, 108
- Amortisation, 173, 301, 340-1
- Anda, Juan Francisco, 42, 311, 333-5
- Andalusia, 38, 52, 105-6, 183, 251, 309
- Anza, José Vicente de, 135; Marcelo 164, Marcelo José, 167, 201-3, 205, 293; Pedro, 176, 277
- Apartado, Marquis of, 170, 179, 182, 206, 338; office 171-9; *see* Fagoaga
- Aragon, 252
- Aranda y Saavedra, family, 264-7, 305-6, 350; Gonzalo, 305, 349, 353; Juan Ignacio, 305, 353; Manuel, 264-5, 267, 304-5, 349-50; Ramón Luis, 280, 305, 321, 340
- Aranzázu, Our Lady of, 108
- Architecture, construction: Las Vizcaínas, 108; Our Lady of Loreto, 127; Palacio de Minería, 168; Monte de Piedad, 184; Santa Prisca, 198; Compañía, Guanajuato, 234; Alhóndiga de Granaditas, 245; Valenciana and San Diego, 291-2; Diego Rul's mansion, 298
- Areche, Juan Antonio, 36, 38, 44, 63, 88
- Arechederreta, Gabriel de, 275, 281, 299, 305, 322, 349, 353-4
- Aribe, Domingo de, 281, 305 n., 350, 353-5
- Arizmendi, José de, 99
- Arosqueta, Josefa de, 120, 174-5, 178; Juan Bautista, 120, 174
- Arrastres, in general, 138, 140; number in Zacatecas 205; inventory, 264; number in Guanajuato, 282, 342
- Arroyo, Simón Eugenio de, 325, 351; Simón Francisco, 176, 266, 351
- Arteaga, Ventura de, 201-2
- Ashton, T. S., 139
- Asturias, 105-6, 108, 251
- Audiencia, opposition to Gálvez, 39; composition 40-2; loss of status, 43-4; praise of Bucareli, 47; attack on intendants, 79-80; fear of Revillagigedo, 81-2;

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- approve repartimientos, 87; defend Consulado, 117; loss of mining litigation, 329; quarrel with Revillagigedo, 333-5; conspiracy against Iturrigaray, 341-2
- Austri, José de, 312
- Austria, 26, 142, 165
- Aviadores, in south, 48, 99-100; in mining, 98-9, 149-51, 191-2; Guanajuato, 267-74, 279-81, 292-4
- Azanza, José Miguel de, Viceroy, 73, 86, 243
- Azpecechea, Fermín de, 203, 337-8, 345 n.
- Azpilcueta, Francisco de, 280, 305, 320, 323, 330, 349
- Aztecs, 1, 6, 8, 243
- Bajío el, 13, 16-18, 215, 223-33, 302, 343
- Banks, *see* silver banks
- Barandiarán, Juan de, 176, 184
- Barba, Alonso, 139, 165
- Barcelona, 39, 110, 115
- Barrio, Aniceto del, 164
- Barroso, Antonio, 164, 337
- Basques, 72; immigrant community, 107-8; in Consulado, 117, 119; 139, 162-3; Basque College, 165; 173-4, 188, 192, 196; in Zacatecas, 201-3; in Guanajuato, 251-3; 305, 324, 327-8, 330; in revolt, 342, 344
- Baso Ibáñez, Francisco, 192
- Bassoco, Antonio, title, 105; in Amigos del País, 108, 117; prior of Consulado, 119; life-work, 124-8; in Durango, 151; deputy general of mining court, 164, 183; in Bolaños, 191-4; in Zacatecas, 206-7, 270; loan to Sardaneta, 301-2; 338; leadership of Basques, 342; genealogy, 348
- Bataller, Miguel de, 342
- Batopilas, 197
- Beranger de Marquina, Félix, Viceroy, 89
- Beristáin de Souza, José Mariano, 41
- Beltrañ, Luis, 205
- Belloquín, José, 240
- Berthe, Jean Pierre, 13, 216
- Bibanco, Antonio de, first Marquis of Bibanco, 136; title, 170; lifework, 188-93; in Zacatecas, 202, 206-7; Marchioness of Bibanco, 216
- Biscay, 105-8, 120, 124
- Bluet Iguíño, Joaquín, 320, 322
- Bodega, Manuel de la, 345
- Bolaños, 127, 132, 136, 143, 146-7, 161-2, 164, 170; history, 187-94; 196, 206
- Bonavía, Bernardo, 83, 85
- Bonilla, Antonio, 60
- Borda, José de la, 140, 143; payment of workers, 147-8; advice to Gálvez, 163, 170; backed by Aldaco, 175-7; 189; life work, restoration of Zacatecas. 198-201; 277, 338
- Borda, Manuel de la, 201, 203, 205
- Born, Baron de, 165, 336
- Bourbon, nature of reforms, 25-6; definition of new regime, 27-30; controversy, 33-5; reliance on military, 43, on intendants, 45; non-payment of *alcaldes mayores*, 48; overall policy, 50-1; culmination of regime, 81; continuity with liberals, 91-2; early reliance on Consulado, 113; commercial reforms, 114-15; renovation of Almadén, 141; mining reforms, 159, 162; reliance on militia, 238; nature of bureaucracy, 242; mausoleum of new regime, 246; results of reforms, 332; final onslaught, 340; revolts against, 341, 346
- Branciforte, Marquis of, Viceroy, inactivity, 53; venality, 81, re-introduces repartimientos, 87; opposes Veracruz consulado, 118; revives militia, 238, 325
- Bucareli y Ursúa, María Antonio de, Viceroy, 41; principles, 46; opposes intendancies 46-8; critique justified 51, 53-4; his secretariat, 60; 63, 66; contrast to Revillagigedo, 81-2; 88; establishes mining court, 163; 228
- Buenos Aires, 18, 66, 261
- Bugarín, Antonio, 202, 204
- Burgos, 106, 108
- Burras Hacienda, 263-4, 277-8
- Bustamante, Bernabé de, 101-2, 313, 352, 256; Carlos María de, 213, 243, 245; Francisco, 242; José Alejandro, 160, 183-4
- Busto family, financial history, 264-7, 275, 299-300; social position, 304-6, 319, 323-4, 330; genealogy, 349-50
- Busto, Andrés, 306, 349; Ana, 308; Francisco, 264, 304; Francisco Matías, first Marquis of San Clemente, 264-6, 349-50, 299, 304-6, 323; Francisco Cristóbal, second Marquis, 304; Gregoria, 281, 349; Hipólito, 281; Josefa, 264-5, 304, 306, 349-50; José Ignacio, 299; Juan Alejo, 304, 322; María Josefa, 341; Pedro, third Marquis, 304, 349
- Cabildos, in Querétaro, 76; subdelegates as presidents, 77; of Tlascala, 78; in Mexico City, 36-7, 210, 341; in Guanajuato, composition and revenue, 320-4

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- Cádiz, 25, 28, 95–7, 110, 114–17, 126
 Cajeros, as lieutenants of justice, 48; training, 109–10; in Guanajuato, 252–4, 274, 315
 Calderón de la Barca, Frances, 173
 California, 2, 60
 Calleja, Félix, 345
 Camargo mine, 332, 334
 Campillo y Cossío, José del, author of reforms, 25–6, 28; on intendencies, 34; on Indians, 88; on commerce, 114
 Campo Marín, Manuel, 72–3
 Canary Islands, 106, 241
 Cantabria, 106
 Cañete y Domínguez, Pedro Vicente, 161
 Capula, 127, 191
 Caracas, 24, 41, 95
 Caribbean, 3, 25
 Carrasco, Ventura, 280, 330, 349, 353
 Carrillo, Francisco Sales, 72–3
 Casafuerte, Marquis of, Viceroy, 59, 159
 Castañiza, Juan de, First Marquis of Castañiza, title, 105, in Consulado, 113, estate, 124–8; compadre of Aldaco, 182; second Marquis, 207; María Teresa, 126–8; genealogy, 348. *See* Bassoco
 Castile, 6, 36, 49, 102, 105–7, 188, 251–2
 Castilla, Luis de, 6
 Castilla, Mariscal of, 230–1
 Caso method of refining, 139, 165
 Cata mine, 176, 195, 262; early history, 264–7; restored, 300; 304, 306
 Catastro, of Marquis of Ensenada, 314–6
 Catalan, 42, 115, 129
 Catalonia, 251–2; *see* Barcelona
 Catorce, 76, 139, 143–9, 157, 167, 170, 194; early production, 196–8; 293, 295, 310, 327, 337
 Celaya, 13, 17, 223–8, 231, 233, 238–9, 240–1, 313, 326
 Chalco, 15, 17, 75, 84, 216
 Chopingo hacienda, 191, 216
 Charles III, 26–7, 35, 81
 Charles IV, 57
 Chaunu, Pierre, 9
 Chevalier, François, 13
 Chichimecas, 6–7, 23, 223
 Chico, José María, 344; Miguel, 323
 Chico Valdés, Bernardo, 321–3
 Chihuahua, 121, 132, 141, 175
 China, 12, 95, 98
 Cholula, 79, 218
 Chovel, Casimiro, 166, 343
 Church, the, authority, 24–7; control of agriculture, 91; numbers of clergy, 213–14; tithes and wealth, 217–18; Creole recruitment, 301; amortisation, 340–1; *see also* Jesuits
 Class, general structure, 19–20, 109; in Guanajuato, 251, 259–60
 Clavijero, Francisco Javier, 33
 Coahuila, 7, 15, 18
 Cobo García, Manuel, 280, 299
 Cochineal, 48–9, 85, 96, 99, 115
 Colima, 85, 268
 Colotlán, 187, 190, 193
 Comentarios (a las ordenanzas de minas), 129, 160–2, 164
 Comercio libre, 28, 50, 52; causes, effects, 114–15; opposition of consulado, 116; defence of Revillagigedo, 117; effect on Bassoco, 126; effect on mining, 152, 157; contrast to mining reforms, 159; 253
 Compains, Juan José de, 275, 280, 305, 322, 327–8, 330, 349–50, 353–4, 357
 Concha, Fernando de la, 296, 356
 Consulado, Mexican, lease of excise duties terminated, 51–2, 70; domination by Montañeses and Basques, 107; memorial to Cortes of Cadiz, 110–11; public duties and income, 113–14; attack on *comercio libre*, 116; attacked by Revillagigedo, 117; 1787 election, 117; road to Veracruz, 118–19; Iturrigaray's interference with elections, 119; priors, 173; Guanajuato deputation, 327–8; 1808 conspiracy, 341–2
 Consulado, Guadalajara, 118–19
 Consulado, Veracruz, creation, activity, 118–19
 Córdoba, 37, 53, 77
 Cornejo, José, 139
 Coromina, Ignacio, 275
 Coronel y Jóriganes, Martín, 322–3, 333, 345, 354–5
 Corres, Norberto de, 242
 Cortés, Hernán, 1–3, 347
 Cortina, Count of, 119, 170
 Cossío, family, 112; Pedro Antonio de, 61–3, 65, 69–70, 72, 112
 Council of Indies, 33, 42, 57, 66, 73, 77, 79–80, 86, 88, 117, 119, 180, 308, 335
 Court of Audit, 54–7
 Creoles (American Spaniards), general status, 20–2; elite in public office, 34–5; Gálvez attack, 56–9; in audiencias, 40–2; in junta superior, 72–3, 89–90; women, 112; nature, 209–10; exclusion from office, 210–11;

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- social decline, 212; occupations, 213–15, 219; in Guanajuato, 245; occupations, 254–7; marriage patterns, 305–6; in Church, 306–7; elite families, 305–19; view of Gachupines, 318–19; in militia, 326–7; in mining deputation, 331; revolt, 344–6
- Croix, Marquis of, Viceroy, 26, 35, 38–9, 45–7, 63, 69, 72, 185, 198–9, 234
- Croix, Theodore de, 33
- Cruillas, Marquis of, Viceroy, 33, 44
- Cuba, 46, 81
- Cuernavaca, 16, 116
- Deputation, mercantile, 327–8; mining, in Zacatecas, 203; in Guanajuato, 329–39
- Díaz de la Vega, Andrés, 56
- Díaz del Castillo, Bernal, 1
- Díez de Bracamonte, Juan, 263
- Díez Madroñero, Antonio Jacinto, 266, 305, 324, 344, 353
- Dolores Hidalgo, 225, 227, 240, 341, 343
- Durango, 7, 15–16, 18, 64, 83, 106, 121, 125, 134, 144, 151, 170, 197, 223, 297
- Echarri, Juan Francisco de, 195
- Echazaurreta, Juan de, 187
- Echeveste, Francisco, 108, 178
- Eguía, Sebastián de, 108
- Elhuyar, Fausto de, 9, 130, 156, 164, 166–7, 326–8
- Encomiendas, 2, 51
- Entails (Mayorazgos), 103, 126, 185
- Ensenada, Marquis of, 314
- Escalada y la Flor, Francisco, 316, 349
- Escobedo, Jorge, 88–9, 91
- Excise duties (alcabalas), 29; total receipts, 52; alleged corruption, 62; mining exemptions, 144–5, 166; in Guanajuato, 238–9, 242
- Exemptions from silver tithes, general policy, 68, 143; effects, 157; Gamboa's advocacy, 161; general exemption of 1801, 89–90, 166–7; to Fagoaga at Sombrerete, 179–182; to Moya at Pachuca, 185–7; to Sierra Uruñaeta at Bolaños, 192–4; to Echarri in Oaxaca, 195; to Borda at Zacatecas, 198–200; to Anza, 202, to Quebradilla partners, 204, to Veta Grande Company, 205
- Extremadura, 251, 304–5
- Fabry, Manuel, 160
- Fagoaga family, general position, 173, 182–3, 207; merchant house, 120–4, 273; relations with Bassoco, 126–7, 182–3, 206–7; welcome German technical mission, 165; leaders of mining industry, 173, 207; silver bank, 173–9; at Sombrerete, 179–82; family relations, 182–3; in Zacatecas, 206–7; in Guanajuato, 266–7, 275; in Mining Court, 338; genealogy, 348; *see also* Aldaco and Meave
- Fagoaga, Francisco de, 120, 122, 171, 173–5; Francisco Cayetano, first Marquis of Apartado, 170, 179, 182, 206, 338; José Joaquín, 177; José Luis, 179; José Mariano, 167, 173, 180–2, 337–8; Juan Bautista, 179–80, 182, 206–7
- Famine, of 1785–6 in Bajío, 226, 232; of 1809, 342
- Fernández de Córdova, Francisco Cristóbal, 70, 308
- Fernández de Madrid, Diego, 39–42; Andrés, 128
- Fernández de Riaño, Bernardo, 266, 273, 275–6, 280, 306, 317, 324, 340, 350, 353; Felipe, 317, 321, 330–1, 350, 354–5
- Fernández Peredo, Juan, 192–3, 205
- Figuerola, Vicente, 309
- Fiscal de real hacienda*, creation of office, duties, 57–9; in junta superior, 68; *see also* Posada
- Fischer, Francisco, 301, 336
- Flon, Manuel de, family, 64; appoints subdelegates, 74–5; conflict with junta superior, 78; with governor of Tlaxcala, 78; with Gamboa and audiencia, 79–80; views on repartimientos and subdelegates, 83–5; judgment on intendencies, 90–2; 345
- Flores, Manuel Antonio, Viceroy, 36, 70, 81, 243
- Floridablanca, Count of, 36, 70, 81, 243
- Fleets (transatlantic), 95–6, 114, 121, 124, 269–70
- France, 25–6, 82, 142, 201, 243
- Fraustro mine, 297–8
- Fresnillo, 177–8, 181, 190, 193, 202
- Fuenclara, Count of, Viceroy, 160
- Fueros, among elite, 20–1, 23; Bourbon policy, 27–8; audiencia's attack, 43; for miners, 163–4; consequences, 329–30
- Funes, Gregorio, 37–8
- Gachupines (European Spaniards, peninsulares), search for wealth, 1–2; town-dwellers, 4–6; elite status, 20; immigration,

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- 30; dominance of trade, 104–5; origins in north Spain, 106–8; social pretensions, 108–9; training, 109–10; attitudes, 110–11; causes of success, 111; marriage patterns, 112–13; control of Consulado, 113–14; contrast to Creoles, 211–12, 214; in Guanajuato, 251–4, 313–19; in militia, 325–6; defence of position, 342; 1810 massacre, 343–4; Hidalgo's condemnation, 347; *see also* Basques and Montañeses.
- Galicia, 106, 251
- Gálvez, Bernardo de, Viceroy, 63–4, 243
- Gálvez, José de, 24; fears England, 26; represses 1767 revolt, 27, 234; favours mining, 28; hostility to colonial industry, 28–9; hostility to Creoles in public office, 34–42, to audiencia, 42–3, to Viceroyalty, 44–5; plan for intendants, 45–6; condemns repartimientos, 48–50; employs Cossío, 61–3; hostility to Gamboa, 39, 69–70; view of merchants, 104, 114; his mercantilism, 114, 168; reduces mercury price, 141; concedes tax exemptions, 143–4, 189, 198; mining policy, 28, 162–3, 168; creates mining court, 163–4; ends Apartado lease, 179; fears Jesuits, 234, creates militia, 235; 282, 318, 329, 331, 346
- Gálvez, Matías de, Viceroy, 57, 61, 63
- Gamboa, Francisco Javier de, attacks Gálvez, 39; in audiencia, 40–2; opposes Cossío, 62; life, 69–71; attacks intendant code, 72, 74–5, 79–80, 86; frames Las Vizcainas' rules, 108; agent for Consulado, 116; regulates wages at Real del Monte, 148; significance of his *Comentarios*, 160–4; attacks mining court, 167–8, 335; counsels Revillagigedo, 332–3; references from his *Comentarios*, 129, 134, 151, 169, 171, 187, 197–8
- Gamboa, Juan José de, 70, 128
- Garcés y Eguía, José, 130, 137–8, 140, 152–3
- García, Francisco, 207
- García de Quintana, Manuel, 271–4, 308, 315, 325–6, 330–1, 335, 339, 352, 354
- García de Zeballos, Manuel, 280, 299, 323–4, 326, 331, 333, 335, 337–8, 354–5
- Garδοqui, Diego de, 79
- Gemelli Carreri, Juan F., 104, 112
- Gente decente, 20–1; de razón, 20, 23–4, 74
- German mercury, 10, 12, 141–2; technical mission, 165, 336
- Ginoesio, Manuel, 171–2
- Godoy, Manuel de, 81, 89, 341–2
- Gómez Campos, José, 195
- Gómez de Cervantes, Gonzalo, 6, 12, 95, 218
- González, José Andrés, 98
- González Bravo, Ciriaco, 346
- González Calderón, José, 112; Miguel, 117
- González Cossío, Miguel, 117
- González del Campillo, Augusto, 325–6, 351
- Gordejuela, Valley, 113, 124
- Goya, Manuel Ramón de, backs alcaldes mayores, 99–100; serves Amigos del País, 108; transfers to mining, 116; statement of Meave's estate, 120 n.; invests in Bolaños, 192; bankruptcy at Zacatecas, 202, 207; misappropriates Valenciana's silver, 293
- Goyeneche, Juan Manuel de, 345
- Granada, 39, 251
- Grand Notaries of Government, 59, 63
- Great Britain, 25–6, 62, 89, 121, 142, 166, 185, 205
- Guadalajara, 14, 16–17, 28, 42, 53, 64, 70, 83–4, 92, 118–19, 121, 156, 161, 187, 189–90, 193, 268, 345, 347
- Guadalcázar, 170
- Guanajuato, 7, 15, 26–7, 51, 64–5, 83, 98, 101, 121, 129–30, 133–7, 141–56, 161, 164, 167, 169–70, 172, 175–6, 181, 194–6, 198; 223–353 *passim*
- Guariseamey, 145, 197, 268
- Guatemala, 42, 50, 61
- Güemes de la Concha, Manuel, 272, 322
- Guijo, Gregorio de, 13
- Guipuzcoa, 108, 120, 173, 307
- Gunpowder, for blasting, 133, 157, 263–4, 291; the monopoly, 144
- Gutiérrez, Luis, 75
- Gutiérrez del Mazo, Ramón, 56, 241, 243
- Habsburgs, 25, 27, 29–30, 48, 50, 56, 59, 118, 159, 342
- Haciendas, early years, 4–9, 13, 16; debts, 91; markets, profits, debts, 215–19; in Bajío, 230–1; purchase by miners and merchants, 116, 124–5, 172, 176, 178, 183, 185, 191, 199, 263, 265, 285, 292, 294, 296–8, 301, 313, 317
- Hall, Basil, 104–5
- Hamilton, Earl J., 9
- Haro, Alonso de, Archbishop, interim Viceroy, 42, 66, 82
- Havana, 24, 26, 72, 95
- Heckscher, Eli, 114
- Helling, Rafael, 142
- Heras Soto, Sebastián, Count of, 105, 192

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- Hernández Chico, José, 289, 322, 330-2, 334, 338, 353-4
- Hernández de Alba, Lorenzo, 86, 89
- Herrera, Fernando, 57, 89
- Herrera Rivero, Vicente, first Marquis of Herrera, 42-4
- Hidalgo y Costilla, Miguel, 243, 341, 343-4, 347
- Hierro, Felipe del, 70; Julián del, 164
- Huancavelica, 11
- Huehuetoca, 5, 9, 113, 118
- Huejotzingo, 85
- Humboldt, Alexander von, 24, 106, 109, 129, 139, 156-7, 165, 198, 261-2, 284, 286, 288, 298, 300
- Immigration, *see* Gachupines
- Incháurregui, Lorenzo de, 267, 295, 353
- Indians, effects of conquest, 1-5; legal status, 22-3; nature and *repartimientos de comercio*, 49-51, 83, 86, 89, 110-11; acculturation, 228-9, 234; tributes, 1-3, 53, 71-2, 74-5, 238; labour in mines, 8, 146, 190-1, 193; situation in Bajío, 227-9, 234; revolt, 343
- Industry (textiles), general, 17-18, 28-9; in Bajío, 232-3
- Inheritance laws, 102-3, 265, 274
- Intendants, significance, 33; project criticised, 45-7; creation, 63-9; under attack, 69-79; final debate, 87-92; in Guanajuato, 241-6
- Irapuato, 227-8, 238, 278
- Iriarte, Bernardo de, 203, 345 n.; Francisco de, 301, 323, 356
- Irizar, José María de, 280, 283-4, 322, 354-5; Lucas, 280, 353
- Iturrigaray, José de, Viceroy, 55, 91, 119, 141, 241, 310, 341
- Izúcar, 85
- Jalapa, town, 76-7, 118; trade fair, 97, 114, 122, 124-5, 267, 270
- Jalpa, hacienda, 69, 217
- Jalisco, 16-17, 72, 187; *see also* Guadalajara
- Jaral, Marquis of, 69, 308
- Jesuits, expulsion, 27; San Ildefonso, 34-5; Jesuit party, 39-40; re-establishment, 128; former lands, 185, 216-17; Gálvez fears, suppression of revolt in Guanajuato, 234-5; Guanajuato college, 265, Busto family, 306; general effect of expulsion, 346
- Jews, 111
- Jiménez, Juan, 264, 277, 349
- Junta superior de real hacienda*, powers, 61; composition, duties, 66-9; abrogation of intendants code, 71-3, 75, 86-9; composition, 89-90, tax exemption, 167
- Ladrón de Guevara, Baltazar, 41-2, 62, 71, 86, 89
- Landa, Nicolás de, 171
- Lanzagorta, family, 341
- Lardizábal y Uribe, Miguel de, 346
- Lassaga, Juan Lucas, 163-4
- Lasso, Nacarino, José María, 90
- León, 196, 223-8, 232, 235, 238, 240, 304, 307, 310, 312-13
- Lequeitio, 120
- Libranzas, definition, 101-2; use, 51, 171, 238, 266
- Liccaga, José de, 318, 350; José María, 318, 344, 350; Ramón Luis, 280, 318, 322, 350; Tomás, 164, 318, 325, 329, 344, 350, 353
- Lierganes, 244
- Lima, 24, 36
- Linares, Duke of, Viceroy, 24, 59, 95, 159, 168, 170
- Lissa, Francisco de, 78
- Llerana, 307, 312-13, 316-17
- Logroño, 105-6
- López, Juan, 306, 350
- López de Cancelada, Juan, 211, 228
- López Portillo, Antonio, 39; Francisco, 40-1
- Lorenzana, Francisco Antonio, Archbishop of Mexico, 36, 39
- Louisiana, 30, 243
- Malaga, 52, 64, 115
- Malagueño, 37-8, 118, 240, 308-9
- Malo de Villavicencio, Félix Venancio, 40-1; Pedro, 39-41
- Malpaso Hacienda, 199
- Mancera, Marquis of, Viceroy, 12, 21, 105
- Mangino, Fernando, 64-6, 74-5
- Manila, 95, 97
- Marfil, 225-6, 228, 235-7, 263, 277, 282
- Marino, Francisco, 242
- Marischal de Castilla, 230-1
- Marquina, Félix Beranguer de, Viceroy, 89
- Martínez Cabezón, Francisco, 193
- Mathuala, 193
- Mateos, Domingo, 174-5
- Mayorga, Martín de, Viceroy, 61-2, 145, 166, 331
- Mazapil, 121, 138, 170, 172

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- Mazo, José Antonio del, business activity, 293-6, 301; origin, 311-12, 315; 323, 335, 338, 356
- Meave, Ambrosio de, 108, 112-3; life, 120-5; 174, 177, 179, 202, 273
- Melgarejo, Ambrosio Eugenio, 40
- Mellado mine, 134, 176, 195, 262; history 264-7, 284; renovation, 297-9; 304, 306
- Mendizábal, José Antonio, 266, 350, 354
- Meoquí, Juan Fernando de, 192
- Mercantilism, 25-6, 114, 168
- Merchants, early fortunes, 13; status, 21; in repartimientos, 48, 50, 84, 87, 99, 115; general discussion, 95-128 *passim*; in mining: at Sierra de Pinos, 98; enter after *Comercio libre*, 116, 126-7; as aviadores, 149-53; at Pachuca, 186; at Bolaños, 191-4; at Zacatecas, 202, 204-6; at Guanajuato, 267-74, 279-80, 299-300; numbers in Guanajuato, 252-7; in deputation, 327-8, 330-1, 337-8
- Mercury, early supply, 8-12; the monopoly, 141-2; policy, 159-60; 180, 197, 201; in Guanajuato, 263, 279-81
- Merino, Martín, 48-50
- Meruelo, 311-12
- Mestizos, 4-8, 20, 23, 146-7, 249, 254, 257-60
- Mexico City, 6, 9, 11, 16-17, 26, 28, 30, 36-7, 48, 51-4, 64-6, 70, 75, 77, 79, 81, 91-2, 97-104, 113-15, 117-21, 124, 126-7, 140-4, 146, 150-1, 161-3, 171-2, 174-5, 184, 186-92, 198, 201-2, 205-10, 216, 261, 263, 267, 269, 293, 310, 327, 335-8, 342-3; the city council, 36-7, 210, 341; number of Spaniards, 30, 105-6; political control of colony, 64, 79; dominance attacked, 91-2; fiscal centralisation, 51-4, 65, 113, 140-4, 161; financial centre, 97-104, 114-17, 150-1; early dependence of Guanajuato, 261, 263; struggle against, 302, 338, 343
- Mexico, Intendency, 16, 18, 64, 83
- Michoacán, 7, 14-6, 26, 64, 85, 100, 223-4, 231, 243, 345
- Mier, Fray Servando Teresa de, 57
- Miera, Fernando de, 270, 293, 349, 353
- Militia, creation, 26-8, 43; in Bolaños, 190; in Guanajuato, 234-5, 238, 277, 325-7; in revolt, 345
- Mine-workers, early recruitment, 7-9; instruments of work, 133-4; systems of payment, 146-8; in Bolaños, 190, 193; in Zacatecas, 199, 204; in Guanajuato, 258-60, 276-8, 288-91, 300; in revolt, 342-3; *see also* partidos
- Mining, early years, 6-12; literature, 129-30; mintage, 131; techniques of excavation, 131-7; refining, 137-40; state intervention, 140-6; labour, 146-9; capital structure, 149-52; costs of production, 152-6; causes of boom, 156-8; plans for reform, 159-60; Gamboa's commentaries, 160-2; mining court, 162-8; nobility, 169-70; silver banks, 171-9; Sombrerete, 179-83; Real del Monte, 183-5; Pachuca, 185-7; Bolaños, 187-94; Catorce, 196; Zacatecas, 197-201; Guanajuato, 261-302; Guanajuato deputation, 329-39
- Mining College, 163, 165-6
- Mining Court, 162-8, 335-9
- Mining Finance Bank, 164, 186, 301
- Mint, 131, 143-4, 161
- Moncada, Marchioness of, 70
- Montañeses, origins, 106-7; pretensions, 108; Cossío family, 112; Consulado elections, 117-19; Valdivielso and Sánchez de Tagle, 172; Riaño, 244-5; numbers in Guanajuato, 252-3; business connections, 274, 281, 288; Septién and Pérez Marañón families, 311-17; in cabildo, 322-24; in militia, 325-6; in merchant deputation, 327-8; in mining deputation, 330-1, 334-5, 338-9; *see* Gachupines and Basques
- Monterde y Antillón, Pedro María de, 57, 89, 90; Rafael, 238
- Mora, José María Luis, 214, 243
- Morán mine, 166
- Mourelle, Francisco, 288-90, 299-300
- Moya, Manuel José de, 143, 185-6
- Mulattoes, 4-8, 20, 23, 146-7, 251, 257-60
- Murfi, Juan Agustín, 126, 215; Tomás, 118
- Napoleon, 166, 205
- Nayarit, 187
- Navarre, 106, 251-2
- Navarro y Madrid, Juan, 52, 62
- New England, 6, 21
- New Leon, 15, 233, 297
- New Mexico, 7
- New Santander, 297
- Nobility, early, 12, 21; mercantile, 105; mining, 169-70; in general, 208-9
- Núñez de Ibarra, Cayetano, 143
- Oaxaca, 14, 16-17, 23, 48-50, 64-5, 83, 85, 92, 99-100, 195, 243

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- Obregón family, 307-10, 319, 334
- Obregón, Antonio, first Count of Valenciana, 170, 202, 229, 278-80, estate, 292-3, 296, life, 307-8, 310, 322, 327, 330-1, 353-4; Antonio, second Count of Valenciana, 309-10, 324, 327; Agustín, 307; Ignacio, 167, 196, 293, life, 310, 327, 341 n.; María Gertudis, 308; María Ignacia, 308
- Oloquí, Vicente, 206
- Orizaba, 53, 119
- Ortiz de Landázuri, Tomás, 162
- Otero family, 284, 295, 310-12, 321, 324-5
- Otero, Manuel Antonio de, 280-1, 293-5, 310-11, 332, 334-5, 338, 354-5; Mariano, 71, 265, 311, 321, 323-4; Pedro, 296, 315, 323-4, 356; Pedro Luciano de, 269-70, 278-81, estate, 293-5, 307-8, life, 310-11, 320, 330-1, 353-4
- Otomí, 223, 227-8
- Ottoman Empire, 38
- Oyarzu, 120, 173
- Pabellón mine, 136, 180-2
- Pachuca, 6-9, 51, 137-8, 142-3, 146-7, 156, 161, 164-6, 170-2, 175; history, 183, 185-6, 194-5
- Páez de la Cadena, Miguel, 52, 62
- Parral, 132, 161
- Partidos, in general, 147-9, 157; at Real del Monte, 148, 184; at Pachuca, 186; at Bolaños, 193; at Zacatecas, 199, 201, 204; in Guanajuato, 277-8, 288
- Paz, Melchor, 37
- Peláez, José Joaquín, 298, 310
- Peninsulars, *see* Gachupines
- Pénjamo, 240, 310, 344
- Penmartin, Francisco Javier, 20, 203; Julián, 201, 345 n.
- Peñón Blanco, 138
- Pérez Becerra, José, 242
- Pérez Gálvez, Antonio, first Count of Pérez Gálvez, 170, 296; estate, 297; life, 308-9; 324, 326, 339, 343 n., 356
- Pérez Marañón family, 274, 316-17, 321; Agustín, 280, 317, 322-4, 356-7; Fernando, 245, 317, 320, 322-3, 343-4; Joaquín, 270, 316; José, 268, 269-70, 274, 280, 316-17, 322, 327-8, 357; María Manuela, 274, 315, 352
- Peru, 12, 18, 21, 33, 36, 44, 47
- Philip V, 210
- Philippines, 30
- Pimentel, Francisco, 217, 219
- Population, 1-3, 13-14, 224-7, 248
- Porlier, Antonio, 70
- Portu, Manuel, 293, 355
- Posada, Ramón de, life, 57-9; defends intendant's code, 71-5; attacks repartimientos, 86; defends Indians, 89; praises *comercio libre*, 116; attacks consulado, 117
- Potosí, 161, 216
- Prado Alegre, Marchioness, of, 41
- Primo y Jordán, Pedro, 313-14, 352
- Primo Verdad y Ramos, Francisco, 333
- Príncipe regiment, 235, 238
- Puebla, industry, 17; riots, 26; diocese, 46; tobacco factory, 53; excise fraud, 56; intendant, 64-5, 77, 79, 83, 90-1, 243, 345; wages of subdelegates, 84-5; repartimientos, 85-6; agriculture, 91, 218; road, 119
- Quebradilla mine, 135-6, 143, 148-9, history, 197-201, 203-4; 338, 245
- Querétaro, Indians, 13, 228; industry, 17-18, 232-3; corregidor, 76-7, 240-2; tobacco monopoly, 53, 232, 313; Count of Regla, 183-4; foundation, 223; population 225-6; agriculture, 231-3; militia, 238; Septién family, 313-14
- Rayas mine, 133, 148, 167, 176, 195; history, 262-4, 275, 277-8, 290; renovation, 300-2; 325, 340
- Real del Monte, 7, 130, 132, 134-6; labour problems, 146-9; 154-6, 161, 170, 176; history, 183-5; 195-6, 206, 277, 282, 295
- Rebellions, of 1767, 25, 233-5, 244; of 1810, 342-7
- Reborato, Domingo, 160
- Refining, 137-40, 152-6, 278-84; *see also* amalgamation
- Regil, Vicente, 321-2, 355
- Regla, Pedro Romero de Terreros, first Count of Regla, 44, 135-6, 140, 146; labour problems, 148-9, 154, 162, 170, 176; life, 183-5; 189, 208; lands, 217; 282, 298
- Repartimientos de comercio, 47-50, 82-9, 99, 115, 240; *see also* *alcaldes mayores* and subdelegates
- Rétegui, Manuel de, 202-3, 205; Salvador de 300, 350
- Revuelta, Juan de, 280, 299, 354

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- Revillagigedo, the Elder, Count of, Viceroy, 33, 187
- Revillagigedo, the Younger, Count of, Viceroy, colonial policy, 29, 33, 53; criticises Court of Audit, 56; praises Posada, 57, 73; criticises Secretariat, 60, junta superior, 67, Gamboa, 70, Alegría, 72; view of Flon, 77, 79; life and opinions, 81-2; enquiries into repartimientos, 83-6, 88; attacks consulado, 117; German technical mission, 165; causes of mining boom, 156-7; dissolves militia regiments, 238, 325; praises Riaño, 243; conflict with Guanajuato miners, 322-6, 339
- Riaño, Juan Antonio de, intendant of Valladolid, 64, 76; 241; life and work, 243-6; 290, 309; defends deputation, 334; death, 343-4
- Rieger, Christian, 161
- Río, Andrés del, 165-6
- Rioja, La, 240, 251
- Riva, Angel de la, 299, 315, 325-6; Martín, 274, 315, 355-6; Pedro, 272, 274, 315, 343 n., 356
- Riva Agüero, Juan de la, 71
- Rivascacho, Marquis of, 105, 192
- Roads, 118-19, 127, 235
- Robles, José María, 243
- Rodríguez de Madrid, Isidoro, 171, 184
- Rojas, José Antonio de, 309
- Roma Rossel, Francisco, 42
- Rosario, 170
- Ruiz Calado, José Ignacio, 66
- Rul, Diego, first Count of Casa Rul, 101-2, 170; estate, 296-8; life, 309-10; 315, 324, 326
- Saéñz de Escobar, José, 161
- Saint Maxent, Victoria, 243
- Salamance, 224, 227, 233, 240, 309
- Salgado mill, 282
- Saltillo, 97, 233
- Salvatierra, 227, 232, 239-40, 313
- San Bartolomé de Jala, Count of, 41, 105, 186, 191
- Sánchez de Tagle, Francisco Manuel, 160; Luis, first Marquis of Altamira, 105, 171-2, 263
- San Clemente, Marquis of, *see* Busto
- San Felipe, 223, 227, 235, 240
- San Ildefonso College, 33, 35, 40
- San Juan de los Lagos, 97, 233
- San Lorenzo mine, 275, 330
- San Luis de la Paz, 225, 227, 234, 239-41, 268
- San Luis Potosí, 10, 15, 27, 64, 77, 83, 98, 135, 137-8, 141, 148, 161, 233-4, 297, 310, 345
- San Mateo Valparaíso, Count of, 170; Countess, 69
- San Miguel de Aguayo, Marchioness of, 172-3; Marquis of, 173, 219, 340
- San Miguel el Grande (Allende), 18, 125, 223-8, 230-3, 235, 238-41, 326, 341, 343-4
- Santa Ana, 225, 291
- Santa Ana, Juan Antonio de, 280
- Santa Brígida mine, 176-7
- Santander, 105-7, 117, 251-2, 307, 311, 313-14
- Santiago, Count of, 40
- Santiago de la Laguna, Count of, 170, 197
- Santillana del Mar, 172
- Santo Domingo, 42, 69, 70
- Sarachaga, Isidoro, 192
- Sardaneta family, 263-4, 306-8, 320, 325; genealogy, 351; José Mariano de, second Marquis of San Juan de Rayas, 167, 300-2, 320, 324, 327, 340, 351, 355-6; Melchor, 307; Pedro, 263, 306; Vicente Manuel, first Marquis, 170, 264, 275, 278-80, 307, 321-2, 324, 330, 351, 353-4
- Sarmiento, Domingo Faustino, 21
- Sello y Somoza, Manuel de, 240
- Septién family, financial position, 269-74, 303; origins, 312-16; 321, 324, 338; genealogy, 352
- Septién y Arce, Francisco de, 245; business activity, 271-4, 299; origin, 316; 323; in militia, 326, 328; in mining deputation, 330-1, 337-9; 352, 355-7
- Septién y Castillo, Antonio de, 273, 313-14, 352
- Septién y Montero, Bernardo de, 314-15; Francisco, 269, 280, 314-15, 322; José María, 274, 315, 319, 322-3, 355-6; Martín, 269-75, 278-9, 280-1, 299, 314-15, 330
- Septién Montero y Austri, Pedro de, 241, 313, 315, 352
- Séville, 95-6
- Shafts, general depths, 132-3; at Pachuca, 186; at Bolaños, 189, 193; at Catorce, 196; at Zacatecas, 199, 204-5; at Guanajuato, 263, 288, 300
- Sierra, Justo, 105, 111

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- Sierra de Pinos, 98, 196
 Sierra Uruñuela, Juan, 143, 188-9, 191-2
 Silao, 227-8, 238, 273, 275, 278, 305, 316, 326
 Silver banks, 170-1; Valdivielso, 171-4;
 Fagoaga, 174-9; Rodríguez de Madrid,
 184; in Guanajuato, 263, 266-7, 275
 Sombrerete, 76, 135-6, 140, 143, 146-9, 161,
 165, 167, 170, 173, 178; history, 179-82;
 185, 194, 206, 277, 282
 Sonora, 7, 18, 46, 64, 73, 83, 144, 162
 Soriano, José, 241, 245, 332
 Spaniards, for Americans *see* creoles, for
 Europeans *see* gachupines
 Subdelegates, duties, 74-80; wages, 84-5;
 failure admitted, 88-90; in Guanajuato,
 240-1; *see also* *alcaldes mayores* and
repartimientos
 Sultepec, 6, 163, 181
Superintendente subdelegado de real hacienda,
 44-5, 56, 59, 64-6, 91, 141
- Tabasco, 48, 99
 Tarascans, 223, 227-8
 Taxco, 2, 6, 8-9, 139, 161, 164, 170, 175,
 194-5, 198
 Tehuacán, 85
 Tehuilotepic, 135
 Telmo Primo, Pedro, 101-2
 Temascaltepec, 143, 152, 164, 175
 Tenochtitlan, 1, 3
 Tepeaca, 79
 Tepeyac mine, 262, 284; renovation, 299;
 326, 331, 339
 Tepezala, 268
 Tepetzotlán, 185, 216
 Tequesquite, 137-8
 Texcoco, 84, 216
 Textiles, *see* Industry
 Tlalpujahua, 6, 147, 175-7, 198
 Tlaxcala, 41, 78, 85, 187, 190
 Tobacco monopoly, yields, 27, 29, 53; audit
 of accounts, 56; at Sombrerete, 180; in
 Guanajuato, 239, 242
 Toluca, 216
 Torre Calderón, José de la, 186
 Trade, early, 6, 9, 13; internal, 16-19; im-
 ports and exports, 95-7; in north, 98;
 south, 98-9; reliance on credit, 100; bills of
 exchange, 101-2; agents, 102-3; effects of
comercio libre, 114-17; two merchants,
 120-8; with North, 232-3; in Guanajuato,
 67-74
- Trade Fairs, 97, 233, 267
 Treasuries, number, 51; new creations, 65;
 role in mining, 141-3; at Sombrerete, 180;
 at Guanajuato, 239, 241-3
 Tresguerras, Eduardo, 298
- Ulloa, Antonio de, 95
 Uruapan, 27
 Urdiñola, Francisco de, 7, 172
 Uribarren, José Antonio, 270, 325
 Ustáriz, Gerónimo de, 106
- Valcárcel, José Manuel, 337
 Valcárcel y Baquerizo, Domingo, 40-2, 141,
 179, 329, 332
 Valdivielso, Francisco de, first Count of San
 Pedro del Alamo, 169; life, 171-4; in
 Guanajuato, 266-7, 275, 323
 Valencia, 39, 252
 Valenciana mine, 132, 134-7, 148-9, 152,
 157, 165-6, 169, 195-6, 261-2; history,
 278-81, 284-91; effects, 297-8, 302, 330-1,
 329
 Valenciana, Count of, *see* Obregón; Countess
 of, 293, 300, 308-10
 Valladolid (Morelia), 64-5, 72, 76, 83, 85, 92,
 101-2, 121, 195, 243, 301, 307, 326; *see also*
 Michoacán
 Valle-Ameno, Marquis of, 170, 184
 Valle de Suchil, Count of, 170
 Vallecarrido, 244-5, 307, 312, 314-16
 Vázquez de Terreros, Juan, 183
 Velarde, Juan Antonio, 34, 39
 Velázquez de León, Joaquín, 130, 163-4, 169
 Venezuela, 106
 Veracruz, 3, 11, 17, 24, 28, 52, 60, 64, 77, 83,
 85, 89-90, 96-7, 99, 112, 114-15, 118-19,
 121, 127, 146, 162, 242, 313
 Vergara College, 108, 165
 Vértiz, Francisco de, 174-5; Pedro, 117, 151
 Vetagrande mine, 127, 132, 143, 181-2, 191,
 193, 199; history, 201-7, 338
 Veta Negra mine, 135, 179-82
 Veta Vizcaína mines, 132, 134-6, 140, 148-9,
 154, 160; history, 183-5
 Viana, Francisco Leandro de, first Count of
 Tapa, 40-2, 46-7, 66, 108, 341-2
 Vicario, Gaspar Martín, 205, 207
 Viceregal Secretariat, history, 59-63
 Viceroyalty, office attacked, 44-5; powers
 increased, 91
 Vilar, Pierre, 129

Cambridge University Press

978-0-521-10207-0 - Miners and Merchants in Bourbon Mexico 1763-1810

D. A. Brading

Index

[More information](#)*Index*

- Villa, Modesto de, 312, 356
 Villa Alta, 100, 195
 Villachuato hacienda, 176, 178, 265
 Villalba, Juan de, 26–7, 33
 Villamor, Juan de, 281, 293, 318, 331, 350, 354–6
 Villaseñor y Sánchez, José Antonio
 Villaurrutia family, 207; genealogy, 348; Antonio de, 40–2, 64; Antonio (the younger), 182; Jacobo, 182, 341, 348
 Visitation of Gálvez, 27, 34, 38, 114, 144–5, 148–9, 168, 233–5, 242, 325; *see* Gálvez
 Vizcaínas, Las, 108, 176
- Wall, Bernardo, 25
 Ward, H. G., 129, 146, 151, 310
- Whims, in general, 134–5; at Zacatecas, 199–200, 204; at Guanajuato, 288
- Yermo, family, 113; Gabriel de, 113, 116, 340, 342; Juan Antonio, 16, 113, 117
 Yucatan, 64, 66, 83, 92, 104, 217
- Zacatecas, 7, 18, 48, 51, 64–5, 83, 98, 106, 116, 121, 127, 130–56 *passim*; 161, 164, 167, 169–72, 175–6, 179, 181, 187; history, 194–207; 261, 268, 293, 297, 337–8, 345
 Zacualpan, 177, 181
 Zambrano, Hacienda, 120, 122, 178
 Zambrano, Mariano, 79–80
 Zavala, Lorenzo de, 104, 110
 Zimapan, 137, 185