are supplied to the State at cost price. For correspondence, &c., addressed to places outside India, the ordinary Indian stamps are used. There are eight post offices in the State, including the central office at the capital. The postal department is under the control of a postmaster-general, and is subject to inspection by the Superintendent of Post Offices, Ambāla division.

The Rājā is assisted in the work of administration by the Adminis-Wazīr, who is the chief executive officer, and head of the tration and State judicial department, and by the Bakhshī, or chief revenue subdiviofficer. The Wazīr ranks next to the Rājā, and during the sions. absence of the latter is entrusted with supreme control. Each of the five wazārats, Brāhmaur, Chamba, Bhattiyāt, Chaurāh, and Pāngī, is divided into parganas. The revenue is collected by a resident agent, called likhnehāra (village accountant), in each pargana, and under him are ugrākas who realize the revenue from the villagers. The batwāl, or village constable, and the *jhutiyār*, a subordinate under the *bātwal*, with the chār at their head, perform other duties, such as arrangements for supplies, &c.

The permanent State courts are all situated in Chamba Civil and town; but a special officer is appointed for each wazārat, with criminal powers resembling those of a tahsīldār, except that he can hear justice. civil suits up to Rs. 1,000, and he is required to tour during the summer within the limits of his charge. Appeals from the decisions of these officers are heard by the sadr courts, beyond which an appeal lies to the Wazir and a further appeal to the Rājā. The Rājā alone has the power to inflict sentences of whipping. Sentences of death passed by him require the confirmation of the Commissioner of Lahore. The Indian Penal Code and the Code of Criminal Procedure are in force in the State, with certain modifications.

The estimated gross revenue is Rs. 4,58,000, of which Revenue. Rs. 2,18,000 is derived from land revenue and Rs. 2,39,000 from the leased forests and miscellaneous revenue. The expenditure includes Rs. 3,800 paid as tribute to the British Government.

The head-quarters of the police are at the capital. The Police. force numbers 100 constables, under a kotwāl. The jail at jails, and Chamba town has accommodation for 100 prisoners, and each army. kothi serves as a lock-up. The army consists of 33 cavalry, 270 infantry, and 16 artillerymen, with 4 serviceable guns.

Chamba town has two English schools: a high school, with Education. 123 pupils, maintained by the State; and an Anglo-vernacular.

middle school, maintained by the Scottish Mission. The State also maintains a girls' school, and the mission has some girls' and low-caste schools. There were altogether 8 schools for boys and girls, with 206 pupils, in 1905.

Medical.

The only hospital is the Shām Singh Hospital at Chamba town, with accommodation for 21 male and 10 female inpatients. The latter are treated by a lady Hospital Assistant with a trained nurse. The State also maintains a branch dispensary at Tissa. The whole department is under an Assistant Surgeon. At these institutions 14,217 cases, including 437 in-patients, were treated, and 697 operations performed in 1903. The whole cost, which amounted to Rs. 9,846, is borne by the State. A leper asylum is maintained in connexion with the hospital. Vaccination has become very popular, and the State maintains a separate department under the Assistant Surgeon. In 1903 the number of persons vaccinated was 3,325.

[State Gazetteer (in press).]

Brāhmaur (Brāhmapura). — Village in the ·Brāhmaur wazārat, and the ancient capital of the Chamba State, Punjab, situated in 32° 27′ N. and 76° 37′ E., on the Budhil, a tributary of the Rāvi. Population (1901), 263. It contains three ancient temples, of which the largest is of stone and dedicated to Manimahesh, an incarnation of Siva, with an inscription of 1417. The second temple of stone is dedicated to the Narsingh or lion incarnation of Vishnu; and the third, mostly of wood, is dedicated to Lakshana Devī, with an inscription of Meru Varma, a ruler of Brāhmaur in the seventh century. This temple exhibits a mass of elaborately carved woodwork.

[A. Cunningham, Archaeological Survey Reports, vol. xiv, pp. 109-15, and vol. xxi, pp. 7-13; Indian Antiquary, vol. xxii, pp. 7-13]

Chamba Town.—Capital of the Chamba State, Punjab, picturesquely situated in 32° 29' N. and 76° 11' E., on the right bank of the Rāvi. Population (1901), 6,000. Shut in by hills on the east and south, it lies on a plateau between the deep gorges of the Rāvi on the west and the Saho on the north. It is built on two terraces. On the lower is the chaugān or public promenade and recreation ground, with the Residency (now the State guesthouse) at the southern end, and surrounded by public offices, &c. On the upper terrace stands the palace, with the residences of the State officials and the better class of the townspeople beyond. The town

contains a number of interesting temples, of which that of Lakshmī Nārāyan, dating possibly from the tenth century, is the most famous. It also possesses an Anglo-vernacular high school and the Shām Singh Hospital. The Church of Scotland Mission has a branch here, established in 1863.

Chitrādi.—Village in the Chamba State, Punjab, situated in 32° 27′ N. and 76° 25′ E., in a fine open plain on the south bank of the Rāvi. It contains a Devī temple, coeval with that of Brāhmaur, with an inscription of the seventh century.

[A. Cunningham, Archaeological Survey forts, vol. xiv, pp. 112-3, and vol. xxi, pp. 7-13; Indian Antiquary, vol. xvii, pp. 7-13.]

A.

 -ābād, a place-ending of Arabic origin, = 'abode,' i. 57.

Abohar, ancient town in Ferozepore

District, i. 450, 451.

Administration, i. 97-99: the Lieutenant-Governor, 97; the Secretariat, 97; the principal heads of departments, 97, 98; the Punjab Commission (I.C.S.), 98; the Provincial Civil Service, 98; Administrative Divisions, 98, 99.

Administration of Native States, i. 99-102. See also under Administration in

each State.

Adoption, right of, granted (1860) to

chiefs, ii. 277, 382, 404.

Afghānistān, trade with, through Multān, ii. 243, through Muzaffargarh, choked by prohibitive duties, 251.

Age, statistics of, with tables for 1891 and

1901, not trustworthy, i. 41.

Agricultural classes, number dependent on agriculture, i. 59; cultivating owners, 69; landlords, 59, 69, 70; tenants, 69, 70; landless labourers on wages, 70; general improvement in their material condition, 72; schools and scholarships for, 138, 139, 140.

Agricultural College and Research Insti-

tute at Lyallpur, i. 62.

Agriculture, i. 57-68; soil and cultivation, 57-59; principal crops, 59-62; loans, 62, 63; cattle and beasts of burden, 63-65; irrigation, 65-68; half the land is cultivated by owners, 69; experimental farm at Lyallpur, ii. 211; Provincial Statistics of, i. 154. See in each District under General Agricultural Conditions; Chief Agricultural Statistics and Principal Crops; Improvements in Agricultural Practice.

Agroha, ancient town in Hissar District, i. 242; remains of its former fort and greatness, 242; original home of Agar-

wāl Banias, 242.

Ahmad Shāh Durrāni, his complete defeat (1762) of Sikhs and destruction and defilement of Amritsar, i. 31; sacked Delhi, 294; took Lahore, ii. 36; in Dera Ghāzi Khān, 259; ravaged Gujrāt, 112; his victory over Marāthās at Pānīpat, i. 317.

Ahmadiyas, a Muhammadan sect, ii. 62. Ahmadpur, town in Jhang District, ii.

217.

Ahmadpur East, tahsīl of Bahāwalpur State, ii. 348.

Ahmadpur East town, ii. 350, 351, with considerable trade and export of shoes and earthenware, 351.

Ahmadpur Lamma, tahsil of Bahawalpur

State, ii. 350.

Ahmadpur West, town in Bahāwalpur

State, ii. 351.

Aitchison, Sir Charles, his encouragement of indigenous schools, i. 138, 139; Chiefs' College at Lahore, ii. 38.

Ajnāla, tahsīl of Amritsar District, ii. 52. Akālgarh, town in Gujrānwāla District,

ii. IOI.

Akbar the Great (1556-1605), Mughal emperor, named the Doābs, i. 2; rule in the Punjab, 27; religious toleration, 50; granted site for a temple to Guru Rām Dās at Amritsar, 29; restored the Jumna Canal, 202; improved Katora Canal, 213; at Delhi, 294; in Kāngra District, 356; at Lahore, ii. 33; great victory at Pānīpat, i. 317; ascended the throne at Kalānaur, ii. 73; the assessment of land revenue under, i. 113 et passim.

Ala Singh (d. 1765), founder of the dynasty

of Patiāla, ii. 275, 276.

Alexander the Great, his expedition to India and campaigns in the Punjab and Sind, and the cities he founded, i. 17, 18; advanced as far as the Beas, 18; his Greek successors, 18, 19; probable site of his twelve boundary altars, i. 18, ii. 61; his defeat of Porus in Gujrāt District, III; at Taxila, 161, 174; founded Bucephala, identified with Jalalpur, 152; crossed the Jhelum at Jalalpur, 153, the Indus at Ohind, 16 miles above Attock, 183; took Sangala, identified with Sangla, 106; stormed Multan, 225, 226; took Shorkot, 218; took Talamba, 244; Nicaea identified with Mong, 143; Uch identified with a town built by him near the meeting of the rivers, 354, this and several other identifications doubtful, 355 et passim; Atāri, identified with city of Brāhmans taken by him, 239.

Alī Mardān Khān, Shāh Jahān's famous engineer, his canals, i. 203, 207, ii. 77; laid out the Shālamār gardens of Lahore, 35; his peaceful rule of

Lahore, 34.

Alienation of Land Act, its causes, objects,

and results, i. 63, 103, 114.

Alīpur, tahsīl in Muzaffargarh District, ii. 253, 254.

Alīpur town, ii. 254.

Aliwal, village in Ludhiana District, and scene of well-contested battle fought (Jan., 1846) by Sir Harry Smith against the Sikhs, 434; heroism of Sikh infantry round village of Bhundri, 434, 435.

Allahābād, tahsīl of Bahāwalpur State,

ii. 340.

Allahābād town, with a large trade in

rice and dates, ii. 351.

Altamsh (1211-63), the greatest of the Slave dynasty, i. 23; cnlarged mosque of Kutb-ud-dīn at Delhi, 292; his tomb, 293.

Amar Singh, Rājā of Patiāla (d. 1781), ii.

280, 281.

Amargarh, nizāmat of Patiāla State, ii.

Amargarh tahsīl, ii. 301.

Ambala, northernmost of the plains Districts in the Delhi Division, i. 319-338; its great fertility, and tracts uninhabitable for malaria, 320, 321; its history before and after the Sikh Wars, 321, 322; people, 323, 324; its extensive industries and trade, 327, 328; famine due to scarcity of money rather than to failure of crops, 328, 329; bibliography, 331.

Ambāla tahsīl, i. 331.

Ambala city, a large cantonment and an important commercial centre on the railway and grand trunk road, i. 333, 334; its trade in cotton and grain, 327,

328, mills and factories, 327.

Amloh, nizāmat of Nābha State, ii. 335. Amritsar, District in the Lahore Division, between the Rāvi and Beās, ii. 42-57; temperate compared with Lahore but, owing to canals, distinctly malarious, 43, 53; a history of Sikhs and Sikhism, 43-45; Sikhs 26 per cent. of total population, 45; its extensive industries and trade, 48; education and medical, 51; bibliography, 51.

Amritsar tahsīl, ii. 51, 52.

Amritsar ('the tank of nectar or immortality') city, head-quarters of District, and holy city of Sikhs, ii. 52-55; a cantonment, 55; lies in a depression, is waterlogged and most unhealthy, 53; the Golden Temple, and sacred tank, 53, 54; next to Delhi as a trade centre, 52; the combination of religions festivals with trade, 53; the shawl, carpet, silk, and other industries, 54; the sacred buildings and hospices built round the temple and tank, 54.

Amusements and games, few, i. 55, 56; athletics generally a British growth, 55; sport, racing, and music, 55, 56.

Anāhadgarh (or Barnāla), tahsīl of Patiāla State, ii. 301.

Anandpur, town in Hoshiarpur District,

founded by Sikh Gurū, i. 405; its religious importance, shrines, and monuments, 405.

Anang Pal, reputed founder of Delhi, i.

291, 292.

Antiquities, see Archaeology.

Appeal, courts and cases of, i. 103-105. Aravālli system of hills, outliers of, i. 2; enter Gurgaon District, 264, terminate in the Ridge at Delhi, 280, 297; geology, 5.

Archaeology, general view of, i. 36-39; of early period, beginning with Asoka, 37; of Buddhism, 37; of Hinduism, 37, 38; of Islām, 38, 39. See also under Archaeology or History and Archaeo-

logy in each District.

Architecture, religious, of Hindus, Sikhs, Muhammadans, and Jains, i. 38, 39, 52, of Shāh Jahān's palace and mosques in Delhi, 296, 297, of Mughals in Lahore, ii. 33-35; the tawdry bad taste of Sikhs, 35, 36, 54, 56; mixture of Hindu and Muhammadan at Sakhi Sarwar, 271.

Area and population of British territory and of Native States, i. 1; statistical table of population of each District, 152, 153. See also tables of area and population of each tahsīl under head of

People in each District.

Arjun Mal, fifth Sikh Gurū, son of Rām Dās, his wealth and magnificence, i. 29; his imprisonment at Lahore and alleged cruel death, the exciting cause of Sikh military organization, 29; legend of his death and shrine at Lahore, ii. 33; founded Srīgobindpur, 74, 75; founded sacred town and tank of Tarn Taran, 56; founded Kartārpur, still (and his Adi Granth) in possession of his descendants, i. 422.

Army, now under control of Commanderin-Chief, i. 129, belongs (save at Delhi)
to Northern Command under LieutenantGeneral commanding, with head-quarters at Rāwalpindi and Murree, 129; list
of military stations in 1904, 129; disposition of British and Native infantry
and cavalry, 129, of British artillery,
129, of sappers and miners, 129, of
transport units, mule and camel corps,
129, 130; arsenals, 130; total strenth
of British and Native troops, 130;
volunteers, horse and foot, 130; Railway Volunteers, 130; the excellent
quality of native recruits, 130.

Army, Native States, forces of, Imperial Service troops and local troops, i. 30, 131. See also under each State.

Arsenals, at Rāwalpindi, ii. 173, and at Ferozepore, i. 452.

Artillery, British, stations of, i. 129. Artisans in indigenous industries, their unfavourable position, i. 85; change from the close guild or caste system and payment in kind to free competition

and cash wages, 85.

Arts, industries and manufactures, i. 78-85; of cotton, wool, and silk, 78-80; of precious metals and iron, 80, 81; of pottery, 81; of wood, ivory, and paper, 82, 83; mills, factories, breweries, distilleries, and foundries, 83, 84; protection of mill-hands, 84, 85; the gradual substitution in towns and villages of free competition between capital and labour for the guild or caste system, 85; khāshi or inlaid pottery, one of the lost arts of India, displayed in buildings at Lahore, ii. 34. See under Arts and Manufactures in each District.

Arya Samāj, a theistic form of Hindu rationalism, founded by Dayanand Saraswati, 1875, i. 51, 52; its religious and social liberalism, 51; its schism into the mahātma and 'cultured' parties, 52, 422; Anglo-Vedic College at La-

hore, 136.

Asarūr, petty village in Gujrānwāla District, identified with Taki, ancient capital of Punjab, ii. 101, 102; extensive ruins of a Buddhist city, 102; mound of a stūpa of Asoka, 102.

Asoka, his pillar at Delhi, i. 293; stūpas at Asarūr, ii. 102, Shāhdheri, 173, 174, and Mānikiāla, 170.

Assessment, see Settlement of Land revenue.

Atāri, petty village in Multān District, with extensive ruins of a town and fortress, of name and origin unknown to tradition or history, ii. 239; identified by Cunningham with the city of the Brāhmans taken by Alexander, 239.

Attock, District in Rāwalpindi Division with head-quarters at Campbellpore, ii. 174-187; generally stony, treeless, hot, and dry, 175, 176; distinguished by bitter factions and undetected crimes, 180; bibliography, 181.

Attock tahsīl, ii. 181.

Attock town, with a garrisoned fort of Akbar, commanding the passage of the Indus, ii. 183; the river crossed by a railway bridge with a subway, a bridge of boats soon to be replaced by a permanent bridge, and six ferries, 180; taken by British in first Sikh War, lost in second, 183.

Aurangzeb (1658-1707), sixth Mughal emperor, his campaigns against the kingdoms of the South, the Marathas, and the Afghans, i. 28; at Delhi, 280; destroyed temple of the Sun at Multan and built a mosque in its place, ii. 242; his great mosque at Lahore, 35.

Bābar, the founder of the Mughal empire, i. 26, at Delhi, 294; his victory (1526) at Pānīpat, 303, 317; at Hoshiārpur,

Bāghal, one of the Simla Hill States, ii.

Baghāt, one of the Simla Hill States, ii.

Bahādurgarh, town in Rohtak District, i.

Bahāwalpur, Native State, ii. 338-355; its physical aspects of desert and fertile Egyptian riverain with palms and lotus, 338, 339, 342; its dry hot healthy climate, 339; history, 339, 340; railway bridge across the Sutlej, 352; postal arrangements, 344; administration by the Nawab, assisted by an advisory council, 344, 345; currency, 345; excise and opium, 346; Imperial Service Transport and Rifle Camel Corps, 347; surveys, 348; bibliography, 348.

Bahāwalpur tahsīl, ii. 348. Bahāwalpur town, capital of the State. ii. 351; its mud wall, vast palace with underground apartments, and public buildings, 351, 352; its considerable trade and industries, 352.

Bahlolpur, village in Ludhiana District, still inhabited by descendants of Afghan founder in reign of Akbar, i. 435.

Baijnāth (ancient Kīra-grāma), village in Kangra District, with Hindu temples and inscribed pedigrees of the Rajanakas, i. 383; bibliography, 383.

Bājra, spiked millet, its area and yield, i. 60; prices, 155; for exports and imports see under Grains and Pulses. See under Principal Crops in each District.

Bajwara, ancient and decaying town in Hoshiarpur District, once with walls 18 miles round, i. 405; the ruins of its fort, 405, 406.

Bakloh, cantonment in Gurdaspur Dis-

trict, ii. 69.

Balban (1265-87), one of 'the Forty,' the last but one of the Slave dynasty, his successful struggles against the Mongols, i. 23, 24.

Ballabgarh, tahsil of Delhi District, i. 290.

Ballabgarh town, i. 290.

Balsan (or Ghodna), one of the Simla Hill States, ii. 372.

Balun, cantonment and convalescent dépôt of Dalhousie station in Gurdaspur District, ii. 69.

Bamboo forests in Kangrā, i. 73, 74, 365. Banda, leader (1709) of Sikh rebellion against Mughal empire, i. 29; his savage inroad into the plains, 30: finally captured in Gurdaspur fort and tortured to death at Delhi, ii. 73.

Baned, capital of Suket State, ii. 401. Bangāhal, canton of Outer Himālayas in Kāngra District, and source of Rāvi,

Banias, the most important trading caste, i. 49, 233, 242, 252 et passim.

Banūr, tahsīl of Patiāla State, ii. 300.

Banur town, decaying from bad climate and remoteness of railway, ii. 303; extensive ruins of a once important place, 303; tomb and forts, 303.

Baptist Zanāna Mission, i. 240. See under Christian Missions in each District.

Bārā Lācha, mountain pass in Kāngra District, between Lahul and Ladakh, i. 383, 384.

Barauda (Baroda), town in Rohtak District, i. 260.

Bāri Doāb, the, i. 219.

Bāri Doāb (irrigation) Canal, taking off from the Rāvi, i. 207, 208; to replace ancient Hasli canal, 207; employment of Sikh soldiers disbanded after Mutiny, 207; its cost and return, 208.

Barley, its area and yield, i. 60; its use for breweries and fodder, 60. See under Principal Crops in each District.

Barnala (or Anahadgarh), town and former capital of Patiāla State, ii. 303. Barnāla, scene of defeat (1762) of Sikhs by Ahmad Shāh, i. 31, ii. 61.

Bashahr, one of the Simla Hill States, with feudatories, ii. 372-374; the Rājā, his Rajput descent of 120 generations, 372; his obligations to the British Government, 372; Sir H. Davies's description of, 368, 369.

Basi, town in Patiāla State, ii. 303, 304. Basi, head-quarters of a tahsīl in Kalsia State, ii. 367.

Batāla, tahsīl of Gurdaspur District, ii.

Batala town, on a branch railway, ii. 69. 70; considerable industries and trade and several schools, 70; magnificent tank and mausoleum of Shamsher Khān and Anārkali of Sher Singh, 70.

Bāwal, separate nizāmat of Nābha State, geographically part of Rajputana desert, ii. 336.

Bāwal town, with a fine old mosque, ii. 336, 337.

Bears, black and brown, i. 12.

Beas (Greek Hyphasis), one of the 'five rivers,' i. 188, 189; its course of 290 miles to the Sutlej, 188, 189; its shifting channel and changed course, 189; its tributaries, bridges, and ferries, 188, 189; in Kangra District, 353, 378, 379.

Beri, town in Rohtak District, i. 260, 261; part of the estate of George Thomas, 261; now a great trade centre.

Bhadaur, town in Patiāla State, residence of feudatory Sardārs, ii. 304.

Bhaiyāchārā tenure of land, i. 110, 257 et passim.

Bhajji, one of the Simla Hill States, ii. 375.

Bhakkar, subdivision and tahsil of Mianwāli District, ii. 200.

Bhakkar town, ii. 201, 202.

Bhang, the dried leaves of hemp-plant, revenue from licensed vendors and excise duty, i. 121; the extensive growth of the wild plant, 121; much drunk by fakīrs, 54, 121.

Bharpūr Singh (d. 1863), Rājā of Nābha, his services during the Mutiny, ii. 328.

Bharwain, hill sanitarium (3,896 feet) in

Hoshiarpur District, i. 406.

Bhatinda (or Govindgarh), thriving town in Patiāla State, ii. 304; an important grain mart and railway junction, 304; its great and widely conspicuous fort, 286, 304.

Bhattiana, a tract in the valley of the Ghaggar, the country of the Bhattis, a Muhammadan tribe, i. 219; its history from the fourteenth century to 1837, 219, 220.

Bhaun, town in Jhelum District, ii. 152. Bhawanigarh (or Dhodan), tahsil of Patiāla State, ii. 299.

Bhera, tahsīl of Shāhpur District, ii. 136. Bhera town, a railway terminus, largest and most prosperous town of that part, ii. 138; its newspaper, minor industries, and trade, 138; the old town on opposite bank of Jhelum, its history and doubtful identification, 138.

Bhiki, tahsīl of Patiāla State, ii. 302. Bhimbar, torrent in Gujrāt District, dry in winter months, i. 192, 193.

Bhiwani, tahsil of Hissar District, i. 241. Bhiwani town, a railway station and great centre of trade with Rājputāna, i. 243. Bholath, tahsīl of Kapūrthala State, ii.

Bibliography of Province, i. 149, 150; of Himālayas, 180; of Siwālik Hills, 181; of Salt Range, 183; of Indus River, 202; of Districts: Hissar, 240; Rohtak, 259; Gurgaon, 274; Delhi, 289; Karnāl, 312; Ambāla, 331; Simla, 345; Kāngra, 371; (of Baijnāth, 383; of Chari, 384, of Kanhiāra, 389, Nirmand, 390, Pathyār, places in Kängra District); Hoshiarpur, 404; Jullundur, 419; Ludhiana, 433; (of Sunet, 437); Ferozepore, 448; Montgomery, 11. 13; Lahore, 27; Amritsar, 51; Gurdaspur, 68; Sialkot, 84; Gujrānwāla, 99, 100; (Sāngla, 106);

Gujrāt, 120; Shāhpur, 136; Jhelum, 151; (Katās, 155, Malot, 155); Rāwalpindi, 169; Attock, 181; (Chach, 184); Miānwāli, 199; Jhang and Lyallpur, 215; Multān, 236, 237; Muzaffargarh, 253; Dera Ghāzi Khān, 266.

Bibliography of Patiāla State, i. 298; Jīnd, 323; Nābha, 335; Bahāwalpur, 349; (Sui Vehār, 354; Uch, 355); Sirmūr, 363; Kapūrthala, 389; Mandī, 397; Chamba State, 408; (Brāhmaur, 408; Chitrādi, 409).

Bijā, one of the Simla Hill States, ii. 379. Bijnot, ancient fort in Bahālwalpur State,

11. 352.

Bilāspur (or Kahlūr), one of the Simla Hill States, ii. 377, 378.

Bilāspur town, capital and residence of

the Rājā, ii. 378.

Birth and Death rates and statistics, compilation of, in rural and municipal areas, i. 41, 42; a table of, since 1881, 42; affected by season and disease, 42; the diseases most fatal to life, 43, 44; statistics of male and female births, 44, of infant mortality, 44; influence of famine upon, 96.

Bīst Jullundur (or Sāharwāl) Doāb, be-

tween Beas and Sutlej, i. 220.

Blindness, statistics of, showing decrease, i. 43.

Bodlas, Muhammadan ascetics, with healing and blighting powers, i. 443.

Books, pamphlets, &c., published, their number and character, i. 144.

Botany, general view of, i. 8-12; Himā-layan, 175, 176, and its subdivisions including Simla, 8-10; submontane, from the Rāvi to the Jumna, 10; of the plains, and its subdivisions, 10, 11; Salt Range, 11, 12. See also under Botany in each District.

Boundaries of Province, i. 1, 2; of Divisions, Districts, and Native States, see

under each.

Brāhmans, their number, and combination of secular with priestly occupations, i. 49; venerated and disliked in Hissār, 233; venerated but not respected in Rohtak, 252; agricultural and non-agricultural in Kāngra District, 361. See under Castes and Occupations in each District and State.

Brāhmaur (*Brāhmapura*), village and ancient capital of Chamba State, ii. 408; its three ancient temples, 408.

Brass and copper manufactures, now from imported metal, i. 81.

Breweries, their number and large output, i. 84, 120; excise duty on beer, 120.

Bridges, i. 92, 128; of boats, over Beas, 188, 189, 379, over Ravi, 190, over

Jhelum, 194, over Indus, 197; primitive of ropes, &c., over Himālayan gorges, 179, 192, 193; railway, over Jumna, 184, over Sutlej, 188, over Beās, 189, over Rāvi, 190, over Chenāb, 192, over Jhelum, 194, 195, over Indus, 197, 198.

Buddha, stūpas of his 'body offering' at Mānikiāla, ii. 170, of his 'head sacrifice'

at Shāhdheri, 173, 174.

Buddhism, still a living faith in Himālayas, i. 177; its few antiquities, 37; its persecution by White Huns in sixth century, 20, remains of its former prevalence in Kāngra, 37, 359, 360, 384, at Sui Vehar in Bahāwalpur, 37, ii. 353, 354; at Asarūr, 102; its architecture, i. 52.

Buddhist monasteries, see Monasteries.

Buffaloes (domesticated), i. 64.
Building and Works branch of Pul

Building and Works branch of Public Works department, i. 127-129; a list of the principal buildings (1891-1901) of the branch, including roads, drainage, water-works, and bridges, 128, 129; the Provincial railway from Amritsar to Pathänkot taken over by the Government of India, 127.

Bundāla, village in Amritsar District, with a famous Jogi monastery, ii. 55. Būriya, town in Ambāla District, i. 334. Butāna, town in Rohtak District, i. 261.

C

Cadastral map and record-of-rights, i. 111; the staff and methods employed in, 147, 148; the square system, its accuracy and convenience, 148.

Cambridge Mission, in Delhi and South

Punjab, i. 283.

Camels, their wide and various use, i. 65, 92; fairs, 65; camel corps, 130; camel-breeding for transport in Chenāb Colony, ii. 222; Imperial Service Transport and Rifle Camel Corps of Bahāwalpur State, 347; largely bred in the Derājāt, 262.

Campbellpore (Kāmilpur), head-quarters of Attock District, and cantonment, ii.

184

Canals (irrigation), perennial and inundation, i. 66, 67; projected canals, 67; also navigable, 67, 68; methods of distribution of water, 67; assessment of revenue and enormous fluctuations in earnings, 66, 67; as a double protection against famine, 97; cause dampness and malaria, ii. 43, 53 et passim.

Canals, perennial and inundation, full details of all principal, i. 202-219. See under Irrigation in each District and State.

Cannabis Indica, Indian hemp, its products bhang and charas, i. 121.

Cantonments, i. 129; Magistrates, at Ambāla and Kasauli, 329, 336, 344 and elsewhere.

Capital and Labour, their changing relations, i. 85.

Carpets, of Amritsar, i. 80, ii. 54; cotton

carpets, i. 79.

416

Caste, as an institution widely replaced by tribe, i. 48, 49, ii. 6; the higher and lower tribes, classes, or castes, 48, 49; the trading castes and classes, 49, 87; the priestly castes, 49; its influence upon industries, 85. See under Castes and Occupations in each District and State.

Cattle, largely stall-fed, their kinds, diseases, and prices, i. 64; fairs, 65; of Hariāna, 235; Hissar Government Cattle farm, 235, 236. See under Cattle, Horses, and Sheep in each District and State.

Cavalry, British and Native, stations of,

i. 129.

Cesses, for post office, i. 93; famine and patwāris, 109; Local funds and village headman, 112; District cess, 125.

Chach, alluvial plain in Attock District, ii. 184; bibliography, 184.

Chail, sanitarium and summer residence of Mahārājā in Patiāla State, ii. 305.

Chaj (Jech) Doãb, i. 220, 221.

Chakwal, tahsil of Jhelum District, ii. 151, 152.

Chakwal town, 152.

Chamba, Native State under political control of the Lahore Commissioner, ii. 403-409; wholly mountainous, with every variety of climate, 403; a favourite resort of sportsmen, 403; history and antiquities, 405, 408, 409; its leased forests, 405, 406; its principal roads from Pathankot, 406; postal arrangements, 406, 407; bibliography, 408, 409.

Chamba town, capital of State and residence of Rājā, ii. 408; a number of in-

teresting temples, 409.

Chandragupta (326 B.C.), cession to, of Greek Punjab and his daughter by Seleucus, i. 19.

Chandra Gupta, of Gupta dynasty, pillar of, removed to Delhi by Anang Pāl, i. 201.

Charas, the extract of the leaves and flowers of the hemp-plant (Cannabis Indica), the disrepute and danger of smoking it, i. 121; its manufacture prohibited, 121; excise duty upon its imports, 121.

Charl, village in Kängra District, with ruins of Buddhist temple, i. 384;

bibliography, 384.

Chaukīdārs, or village watchmen, i. 99; pay, arms, and number, 132.

Chaur (11,982 feet), the highest peak of the sub-Himālayan tract in Sirmūr State, ii. 363; its view, forests, and observatory, 363.

Chautang river, possibly an artificial

channel originally, i. 185.

Chawinda, village in Siālkot District, ii.

Chenāb (Greek Acesines), one of the 'five rivers,' i. 191, 192; formed by confluence of Chandra and Bāgha, 191; its course from Kashmīr, tributaries, and bridges, 191, 192; the Lower Chenāb Canal, 192; its confluence with the Jhelum, Rāvi, and Sutlej, 192; the joint stream, Panjnad, joins the Indus at Mithankot, 192; its changed course, 192; its source in Kāngra District, 372.

Chenab (irrigation) Canal, Lower (and Colony), the essential factor in the fertilization and colonization of a luge waste, i. 208-210; Colony, ii. 221, 22; its history since 1887, i. 200; the t rms of the distribution of the land as ong peasants, yeomen, and capitalists, 200, 210, ii. 221, 222; its cost and large rèturn, i. 210; migration to, 41, 72, ii. 221; new trade centres, i. 7; present and projected roads and r.ilway for its immense grain traffic, 89, ii. 222; its experimental farm, 211; agricultural college, i. 62; horse and camel breeding for cavalry and military transport, ii. 222; allotments to runindars and nomad tribes of Bar, 222. See under Districts, Montgomery, 2, 8; Gujrānwāla, 90 et passim; Jhang, 206-223 et passim.

Chenab Inundation Canals, i. 217, 218. Chhachhrauli, capital of Kalsia State, ii. 367.

Chiefs' College at Lahore, ii. 38.

Chil pine (Pinus longifolia), zone of, between 2,500 and 5,000 feet, i. 73; its forests reserved and protected from wilful damage and fire, 74, 75.

Chiliānwāla, village in Gujrāt District; scene of bloody and indecisive battle of second Sikh War, i. 33, ii. 121,

I22.

Chillies and other spices, crops of, i. 61.

See under Principal Crops in each District.

Chīni, head-quarters of Kanāwār, Bashahr State, ii. 373; favourite summer resort of Lord Dalhousie, 373.

Chiniot, tahsīl of Jhang District, ii. 216.

Chiniot town, old and prosperous, ii. 217; its brass and wood industry, 217; shrine and mosque, 217; identified with Sākala of White Huns, 106, 207.

Chitradi, village in Chamba State, with

Devī temple of seventh century, ii. 409;

bibliography, 409.

Cholera, not endemic but often and severely epidemic, i. 43; its deathrate, 42; its high mortality during

famine, 96; at Simla, 340.

Christian Missions, and the number of their adherents, i. 52,53; their schools for women and for low castes, 140. See under Christian Missions, Education, and Hospitals in each District.

Chūnian, tahsīl of Lahore District, ii. 28.

Chūniān town, ii. 28, 29.

Cis-Sutlej States, formerly held by Sikh chiefs, i. 221, 321, 322; taken (1809) under British protection, 221; changes due to their disloyalty during first Sikh War, 221, 222; finally brought under complete control (1849) and settlement, 222, 322; present position of chiefs, 222. See under Sähib and Karm and Narindar Singh.

Climate, see Meteorology, and under Climate, Temperature, and Rainfall in

each District.

Coal, worked since 1884, of Salt Range, near Dandot, terminus of North-Western Railway, i. 77, 181, ii. 148; method of working, i. 77; quality of coal, 77; wages of miners, and output, 77; the prospect of remunerative workings elsewhere, 77; lignite at Kālābāgh, ii. 195.

Collection of land revenue by village headman, i. 113, 114; penalties in case of default of payment, 113, 114; sus-

pensions and remissions, 114.

Colleges, at Lahore and elsewhere, their great increase in number, i. 136, 137; diminished cost to students, 137; of Arts, 136; Medical, 137; Law School, 137; Aitchison Chiefs' College at Lahore, ii. 38. See under Education in Districts, States, and Cities.

Commander-in-Chief, head-quarters of, at

Simla, i. 348.

Commerce, see Trade.

Commerce, Chamber of, at Delhi, i. 87. Commission, the Punjab, now drawn exclusively from the Civil Service, i. 99.

Commissioner, in charge of a Division, i. 98; Deputy-Commissioner in charge of a District, Collector and District Magistrate, 99; Assistant and Extra-Assistant Commissioners, 98, 99.

Communications, i. 88-93; railways, 88-91; roads, 91; vehicles, 92; rivers, 92; Post Office, 92, 93. See also under each District and State.

Condition of the people, material, general improvements of, in town and country, i. 71, 72; savings and banks, 72, 93. Co-operative (agricultural) Credit Socie-

ties, i. 63. See under Agricultural Improvements in each District.

Cotton, increasingly grown as an export staple, its area, culture, and yield, i. 60, 61, 154; exports of raw, 86, 156. See also under Principal Crops in each District.

Cotton mills, statistics of, i. 83.

Cotton: spinning and weaving by hand, the universal domestic industry, i. 78; number of dependents on, 78; chief fabrics, 78, 79; cotton printing by hand, 79; cotton piece-goods the principal import, 86, 156.

Cotton, Bishop, School for European boys

at Simla, i. 350.

Crime, statistics of, i. 104, 105, 158, 163; of violence, 104; cattle lifting, 104; in respect of marriage, 104; the causes of its increase, 104. See under Civil and Criminal Justice in each District.

Criminal Tribes' Act, its register and regulations, i. 132; Mīnās, 268, 274; Meos, 267; Sānsis, Balochs, Tagās, 305, 311; Mahtams of Lahore, ii. 20; large numbers of, in Siālkot, 82; 'Kot' reformatory and dispensaries for, 83, 84.

Criminal Tribes in Patiāla State, ii. 294. Crops, principal, of spring and autumn, i. 59-62; recent increase of spring crops, a factor in staving off famine, 94. See under Principal Crops in each District. Crystalline axis and unfossiliferous rocks

of Himālayas, i. 173. 174.

Cultivated and cultivable (waste) land, a table of areas in each District, see under Chief Agricultural Statistics.

Cunningham, Sir A., Ancient Geography of India, cited passim; Reports of Archaeological Survey of India, cited passim; many of his identifications doubtful, ii. 355 et passim.

Cunningham, J. D., History of the Sikhs,

1. 28

Currency in Native States, Patiāla, ii. 296, 297; Jīnd, 321; Nābha, 333; Bahāwalpur, 345.

Custom or Customary law, its sphere of

application, i. 102.

Customs and transit duties, i. 115-121 in Native States, see under Finance.

Cyclones and storms, i. 16; hail-storms frequent and damaging, 16.

D

Dabwāli, sub-tahsīl of Hissār District, i.

Dādri, tahsīl of Jīnd State, almost surrounded by British Districts, ii. 323.

Dādri town, its antiquities, ii. 324.

Dagshai, hill cantonment in Simla District, i. 346.

Daira Dîn Panāh, village in Muzaffargarh

District, ii. 254; fine tomb of Dīn Panāh, 254.

Dājal, town at mouth of Chāchar pass in Dera Ghāzi Khān District, ii. 267, 268.

Dalhousie, hill sanitarium in Gurdāspur District, ii. 70, 71; convent school for girls, 71; brewery, 65.

Dalhousie, Lord, Governor-General of India (1848-56), Chīni his favourite hill residence, ii. 373.

Dalip Singh, Mahārājā, the last Sikh

sovereign, i. 32, 33, 34. Dankhar, ancient capital of Spiti canton in Kāngra District, i. 384; residence of the *nono*, 384; fort and monastery, 384.

Darkoti, one of the Simla Hill States, ii.

Daska, tahsīl of Siālkot District, ii. 85. Daska town, ii. 85, 86.

Dasūya, tahsīl of Hoshiārpur District, i.

Dasūya town, with a ruined fort, i. 406; one of the places identified with capital of Rājā Virāta, 406.

Date-palms, abundant in riverain of Bahāwalpur State, ii. 339, 352.

Dead, disposal of: Muhammadan burial, Hindu and Sikh cremation, i. 55.

Deaf-mutism, statistics of, showing a marked decrease, i. 43. See Insanity. Delath, petty State feudatory to Bashahr State, ii. 374.

Delhi (*Dehli* or *Dillī*) Division, general view of, i. 227, 228; area, population, and land revenue of its seven Districts, 227; the Commissioner, 227.

Delhi District, i. 280-301; fertile, generally well-wooded, and from October unhealthy, 280, 281; the Ridge of the Arāvalli Hills, 280; its history, that of the city, 281, 282; castes and occupations, 282, 283; Cambridge Mission, 283; irrigation, 285; its numerous communications by rail, road, and river, 286; famines, 286, 287; education and medical, 289; bibliography, 289.

Delhi tahsīl, central of the District, with head-quarters at Delhi city, i, 289, 290.

Delhi city, head-quarters of Division, District, and tahsīl, i. 291-300; its increase of population due to mill industries, 291, 299; description of the modern city, 295-298; Shāh Jahān's palace and the Jāma Masjid, 296, 297; its ancient and modern buildings, 297, 298; the cantonment, 296, 298; arts and trade, 298-300; schools, 300.

Delhi city, history of, i. 291-295; its traditional origin, 291; historical foundation of aucient city by Anang Pāl (c. 1050), 291; the succession of ruling dynasties, Hindu, 292, Slave, 292, 293, Khiljī, 293, Tughlak, 293, sack and

massacre by Tīmūr, 294, Mughal, 294; rebuilt by Shāh Jahān and made capital of the empire, 294; sack and massacre by Persians, Afghāns, and Marāthās, 294, occupied by Marāthā garrison (1788), 295; entry of Lord Lake (1803) after defeat of Marāthās, 295; siege by Holkar of first British Resident, Colonel Ochterlony, and relief by Lord Lake, 295; the Mutiny, 295.

Density of population, its mean and extremes, i. 39, 40; table of each District and tahsil, see under Population in

each District.

Deodār (Cedrus Deodara), a valuable and reserved tree of the hills, i. 73-75; its zone, 5,000-8,000 feet, 73; places of its occurrence, alone or with pines and firs, 73; regulation of fellings and annual yield, 74; little exposed to fire, 75; large revenue from, 75; nurseries of, 75.

Deorha, capital of Jubbal State, and resi-

dence of the Rana, ii. 370, 371.

Dera Ghāzi Khān, District in the Multān Division, west of the Indus, ii. 256—272, very dry and not unhealthy, 257; the liability of the riverain to floods, 258; history, 258—260; predominance of Balochs, 261; horses and cattle, 262; Indus Inundation Canals, 263; no railways and only 29 miles of metalled roads, 264; ninety-two passes through the Sulaimān Hills, 264; bibliography, 266.

Dera Ghāzi Khān tahsīl, ii. 266.

Dera Ghāzi Khān town, head-quarters of District, and an unhealthy cantonment, ii. 268, 269; divided by the Indus from Ghāzi Ghāt station, 268; on the trade route between Bannu and Jacobābād, 269; defences raised against inroads of the river upon the town and cantonment, 269; its mosques, 268.

Dera Gopipur, tahsīl of Kāngra District,

i. 381.

Dera Nānak, town in Gurdāspur District, named after first Sikh Gurū, ii. 71, 72; the endowed Darbār Sāhib and other temples, 72; pilgrimages and fairs, 72; shrine swept away and town threatened by Rāvi river, i. 190.

Dewa Singh, Sardār, Sir, president of Council of Regency (1871) of Patiāla State, ii. 285; sent a contingent (1879)

to Afghan War, 285.

Dhādi, petty State feudatory to Jubbal

State, ii. 371.

Dhāmi, one of the Simla Hill States, ii. 378.

Dhanaula, town in Nābha State, ii. 337. Dhaola Dhār ('the grey range'), mountain chain in Kāngra District, i. 384. Dhārīwāl, village in Gurdāspur District, with important woollen mills, ii. 72.

Dharmkot, town in Ferozepore District,

i. 451.

Dharmsāla ('resting-place'), hill station (7,112 feet above sea), head-quarters of Kāngra District, i. 384-387; its public buildings, civil and military, gardens, walks, &c., destroyed by the earthquake of 1905, 385, 386; its climate, scenery, and neighbourhood, 387. Dhilwān, tahsīl of Kapūrthala State, ii.

389. Dīnānagar, town in Gurdāspur District,

ii. 72.

Dinga, town in Gujrāt District, ii. 122. Dīpālpur, tahsīl of Montgomery District,

ii. 13, 14.

Dīpālpur village, a place of historical importance, ii 14,15; identified by Cunningham with Daidala of Ptolemy, 14; the shrine of Bāba Lālu Jas Rāj, 15.

Diseases, death-rate from principal, i. 42, 43. See under Climate and Tempera-

ture in each District.

Distilleries (spirit), i. 84, 120; excise

duty on spirits, 120.

District, the, the unit of administration, i. 99; average area and population, 98; actual area, population, &c., of each, 152, 153; in charge of a Deputy-Commissioner, 98, 99; his subordinate staff, 99; the division of a District into tahsīls in charge of tahsīldārs, 99; Civil Surgeon, 145; kānungos, 99, 148.

District Boards and funds, i. 125, 126; table of their income and expenditure,

162.

District Judge, i. 99, 103, 104, 105; Dis-

trict Magistrate, 99, 104.

Divisions (administrative), each in charge of a Commissioner, composed of Districts, i. 98.

Divorce, rules and practice of, i. 46.

Doābs (tracts between two rivers), named as follows by Akbar, i. 2; the Bāri, 219, the Bīst Jullundur, 220, the Chinhath or Chaj, 220, the Rechna, 225, the Sind-Sāgar, 225; geology, 4, 5; botany, 11.

Donkeys and mules, i. 65. See under Cattle, Horses, and Sheep in each Dis-

trict.

Dress, usually very simple and of cotton, i. 54; religious significance of blue, red, and green, 54; of women, the Musalman trouser and skirt, the Hindu skirt and tight bodice, the Gūjar petticoat, 54, 55; the huge outdoor veil (burka) of the better classes, 55. See also under Arts and Manufactures, passim.

Dujāna, Native State under political control of Delhi Commissioner, ii. 365.

Dujāna town, capital and residence of the Nawāb, ii. 365.

Dunyāpur, town in Multān District, ii.

Duties, transit, see Customs.

E.

Earthquakes, frequent, due to geological faults and especially to the main boundary fault, i. 16, 17; the Kāngra earthquake of 1905, and others, 17, 355, 388, destruction at Dharmsāla, 385, 386.

East India Company, its early (1802) conquests in Delhi, i. 281; its actual

administration (1832), 281.

Education, i. 133-144; history of, before and after annexation, 133, 134; present organization under Director of Public Instruction and his staff, 135; the majority of teaching staff employed by local bodies, 135; primary education, 138-140, secondary, 137, 138, collegiate, 136, 137, university, 135, 136; special education, 140-143; training colleges and normal schools, 140, 141; technical education, 141, 142, of Europeans and Eurasians, 142, of Muhammadans, 142, 143; general results, 143; finance, 143, 144, 161, 162; statistics, 165; medical education, 145, 146. See also under Education in each District.

Education, primary, i. 138-140; half-time samīndāri schools for sons of agriculturists, their want of success, 139, 140.

Education, secondary, in middle and high schools, i. 137, 138; the teaching of English, 137, 138, 141.

Education, higher, see Colleges and Uni-

versity.

Education, finance of, with a table, i. 143. 144; statistics of, 165.

Education, language of, i. 134, 135, 137,

138, 141.

Education, moral and physical, in secondary schools, i. 138, in primary, 139.

Embroidery, with silk, silver, and gold thread, i. 80, purity of manufacture guaranteed by municipality at Delhi, 80.

Eminābād, town in Gujrānwāla District, ii. 102, 103; a temple of the penance of Bāba Nānak, 103.

Endogamy, as obligation to marry within the caste, among Hindus and Sikhs, i.

45

Engineering, faculty and school of, at

Lahore, i. 136, 141.

Engineers, Chief, Superintending, Executive, and Assistant in both branches of Public Works department, i. 126, 127; Sanitary Engineer to Government, 127.

English, teaching of, in schools, i. 137, 138, 141.

420

Europeans and Eurasians, education of, and its difficulties, i. 142; hospital ward for Europeans, 128.

Euthydemus (Graeco-Bactrian), his extension of Greek power in India, i. 19.

Excise (net) revenue, a statistical table of, i. 121, its incidence per head, 121, in respect of liquor, in Patiāla State, ii. 296; in Jind, 321; in Nābha, 334.

Exogamy, as obligation to marry outside the tribe, among Hindus and Sikhs, i.

Expenditure and Income, of Province, Municipalities, and District Boards, tables of, i. 159-162.

Exports and Imports, with rest of India, i. 86-88 (see Tables VI, VII, pp. 156, 157); with Chinese Tibet and Kābul, 88; of Delhi, 299; of Lahore, ii. 23.

Factories and mills, using steam power, tables showing their great extension of, i. 83; cotton mills, 83; woollen mills, 84; Indian Factories Act, 84; wages in, 85; at Delhi, 299; at Lahore, ii. 39; at Amritsar, 48.

Famine, i. 93-97; liability of two tracts, in the south-east about Hissar, and in north-west Districts, 93, 94; aftereffects of cholera and malaria, and impaired vitality, more fatal than famine itself, 96; extension of railways and irrigation as palliatives and protectives, 96, 97; a history of famines from 1783 to 1900, 94-96; diminishes litigiousness, 104; some local references to: Hissār District, 237, Hānsi, Hissār town, and Sirsa depopulated by famine (chālīsa) of 1783, 244-246; Rohtak, 255, 256; Gurgaon, 271, 272; Delhi, 286, 287; Karnāl, 309, 310; Ambāla, 328, 329; Ludhiāna till the Sirhind Canal, 431; Ferozepore, 445, 446; Sharakpur, ii. 24; Gnjrāt, 117, 118; Ihelum, 149. See under Famine in Districts and States.

Famine in Patiāla State, ii. 292; Jīnd,

Farīdābād, town in Delhi District, i. 300. Faridkot, Native State under political control of the Jullundur Commissioner, 11. 401, 402.

Faridkot town and fort, capital of State and residence of Raja, ii. 402.

Farrukhnagar, town in Gurgaon District, i. 276, 277, a salt dépôt, 270, 276; Delhi Gate, palace, and mosque dating from Faujdar Khan (1732), 277.

Fatahābād, tahsīl of Hissār District, i. 24I.

Fatahābād town, founded (1352) by Fīroz Shah, i. 243.

Fatahjang, tahsīl of Attock District, ii.

Fatehgarh (or Sirhind), tahsil of Patiala

State, ii. 301.

Fauna, i. 12, 13; lions, tigers, and wild elephants practically now extinct, 12, general view of wild animals still commonly found, 12; common birds, game and other, 12, 13; reptiles, crocodiles, and poisonous snakes, 13; rohu and mahseer, the commonest fish, 13; insects, 13; of Himālayas, fact and explanation of difference between fauna of forest area and of Peninsula, 176, 177. See under Fauna in each District and State.

Fāzilka, tahsīl of Ferozepore District, i.

Fazilka town, a railway terminus and grain mart, i. 451.

Felidae, or cat tribe, i. 12.

Female education, its steady progress, i.

Ferozepore, District in Jullandur Division, i. 437-455; a flat, dusty, healthy plain, 438, 439; its political and economical history of wars and the vagaries of the Sutlej, 439-442; cattle, horses, and sheep, 444; bibliography, 448.

Ferozepore tahsīl, i. 448, 449.

Ferozepore town, head-quarters of District, an important cantonment and arsenal, i. 451, 452; its commercial prosperity due to Sir H. Lawrence and an English cotton-press, 452; its Sikh temple in honour of Sikhs who fell at Forts Sāragarhi and Gulistān in 1897, 452.

Ferozeshāh (Pharūshahr), field of wellcontested battle in first Sikh War in Ferozepore District, i. 452, 453.

Ferries, i. 92; income of District boards from, 162. See under Hill and River Systems and Means of Communication in each District.

Festivals and holidays, the chief Hindu and Muhammadan, i. 56; great Sikh festival at Muktsar, 455; encourage trade, ii. 53, and contagious diseases, i. 43. See also Pilgrimage, Places of Shrines, Tanks, Temples.

Finance, i. 105-109; revenue from all sources under and immediately after Ranjīt Singh, 105, 106; periodical settlements of financial relations between Local and Supreme Governments since 1877, 106-100; noticeable features of last settlement of 1905, 108, 109.

See Expenditure, Income, Revenue. Financial Commissioner, his wide sphere of duty, i. 98, 105.

Fīrozpur, tahsīl of Gurgaon District, i. 275-

Firozpur-Jhirka, town in Gurgaon District, ruined by absence of railway com-

munications, i. 277.

Fisheries, in most waters, i. 68; some rivers protected and preserved for anglers, 68, of Beas, 355; mahseer fishing in Jhelum river, ii. 143, in Giri,

356; of Indus, i. 202.

Floods, generally not serious outside riverain belts, i. 16, but frequent and serious in extreme south-west, 16; recent high floods in summer monsoon of Indus, 200, Jhelum, 194, Chenāb, 16; chos or seasonal torrents from the Siwāliks in Hoshiārpur, 393; of Rāvi (1870), ii. 59; of Indus at Dera Ghāzi Khān, 258, 269, 270.

Floods in Patiāla town, ii. 280.

Food, mainly the grain grown in the locality, i. 53; of different classes and regions, 54, 86; meat seldom eaten, 54; drinks, 54, 120; division in Arya Samāj about meat as an article of diet, 52.

Forests, i. 72-75; dry forests of the plains, their extent and characteristic trees, 72, 73; hill forests with bamboo, chil and other pines, and deodār, 73, 179; area of 'reserved,' 'protected,' and 'unclassed' forests and their systematic management, 73, 74; protection from fire, 75; liberal treatment of the people in respect of fuel, fodder, and pasture, 74, 75; revenue from, mainly by sale of deodār, 75. See under Forests in each District and State.

Fort Munro, hill station (6,300 feet) on Sulaimān Hills in Dera Ghāzi Khān

District, ii. 269, 270.

Forts and Fortresses: Agroba, i. 242; Asarūr, ii. 102; Atāri, 239; Bajwāra, i. 405, 406; Bhatinda, ii. 286, 304; Bignot, 352; Dankhar, i. 384; Dasūya, 406; Delhi, 293; Faridkot, ii. 402; Gurdāspur, 73; Harīpur, i. 386; Harrand, ii. 270; Jalālpur, 153; Jhelum, a land of fortresses and guarded defiles, 145; Kamlagarh, 397; Kangra, destroyed by earthquake, i. 388; Malot, 407, 408; Malot (in Jhelum District), ii. 155; Mamdot, i. 453, 454; Mankera, ii. 204, 205; Marot, 353; Mohindargarh, 306; Multan, 241; Muzaffargarh, 255; Nabha, 377; Nürpur, i. 391; Rohtās, ii. 158; Sängla, 106; Shāhdheri, 173; Shekhūpura, 106; Shujābād, 243; Siālkot, 88; Tirāwari, i. 318; Uch, ii. 354; Fatehgarh, 325; Rawain, 371.

Fossiliferous rocks of Himālayas: Nummulites found 20,000 feet above sealevel, i. 172; Upper Siwāliks, 173; of Tibetan zone, from Permian to Tertiary

times, 174.

Freshfield, D. W., quoted on Himālayan

scenery, i. 169.

Fruit and garden produce, mangoes, potatoes, date-palms, i. 62, in Himālayas, 176. See under Principal Crops in each District and State.

G.

Gaddis, hill tribe in Kāngra, i. 362. Gajpat Singh, Rājā of Jīnd, ii. 312.

Gakhars, the once dominant race of the Salt Range, ii. 144; flourished and fell with the Mughals, 144.

Game-birds, i. 12, 13.

-garh, Hindu place-ending = 'fort,' i. 57. Garhdiwāla, town in Hoshiārpur District, i. 406.

Garhi lkhtiär Khān, town in Bahāwalpur State, ii. 352; its trade in dates, 352. Garhshankar, tahsīl of Hoshiārpur Dis-

trict, i. 405.

Garhshankar town, i. 406.

Geology, general view of, i. 4-8; of the plains, 4, 5; of Salt Range, 5, 6, 183; of Himālayas, 171-175, Northern or Tibetan zone, 6, 7, 174, central and lower zones, 7, 173, Sub-Himālayan zone of Tertiary beds, 7, 8, 172, separation of Upper Tertiary or Siwālik series by the main boundary fault or dislocation, the region of earthquakes, 8, 16, 17, 172. See also under each Mountain area, District, and State.

Georgegarh, village in Rohtak District, founded by George Thomas, i. 261.

Ghaggar river, i. 186, 187, not perennial, once an affluent of Indus, 186; its stream, drained for irrigation, finally dammed and canalized, 186; disastrous results of drinking its water, 186.

Ghaggar (minor irrigation) Canals, im-

perial system of, i. 215.

Ghanaur, tahsīl of Patiāla State, ii. 300. Ghāzi Khān, founder of town and dynasty

in the Derājāt, ii. 259, 268.

Ghaznivid dynasty, see Mahmüd of Ghazni. Ghirths, the physical and other characteristics of the tribe in Kāngra, i. 361.

Ghund, fief of Keonthal State, ii. 376, 377. Ghuram (or Rāmgarh), ancient town with extensive ruins in Patiāla State, ii. 305.

Giri, affluent of Jumna, with fish preserves, in Sirmūr, ii. 356; in Simla Hills, 369.

Glass industry, i. 81.

Gobind Singh, Gurū, his two sons bricked up alive at Sirhind, ii. 310.

Gohāna, tahsīl of Rohtak District, i. 200.

Gohāna town, i. 261.

Goitre, prevalence of, i. 186, 340, 355, ii. 59, 191.

Gojra, town in Lyallpur District, with increasing trade and industries, ii. 222.

Goler, estate in Kāngra District, held by a Rājā, i. 382, 383.

Gondophares (Gundoferus of St. Thomas's mission), founder of Parthian satrapy, i. 20.

Gosains, a religious order, in hills of Kāngra, i. 362, traders but wholesale only, 362; their monopoly of opium

trade, 362.

422

Gough, Lord, his conduct of Sikh Wars, i. 33; in first Sikh War at Ferozeshāh, 453, Sobraon, ii. 42; in second at Chiliānwāla, 121; Gujrāt, 123; Rāmnagar, 105, 113; Sadullāpur, 113.

Government employ, the popular aim of

education, i. 136, 139

Govind, tenth and last Sikh Gurū (1675–1708), his organization of a religious and military commonwealth, i. 29, ii. 44; his defeat and death, i. 29; his scheme carried out by his disciple, Banda, 29, 30, ii. 44.

Govindgarh (or Bhatinda), tahsīl of Patiāla

State, ii. 302.

Graeco-Bactrian kingdom, i. 18, 19, survived till the beginning of the Christian era, 19; coins of, found at Jalalpur, ii. 153, Kāwalpindi, 172, Multān, 225; Taxila, a dependency of, 174.

Grains (other than wheat and rice) and pulses, area of cultivation, i. 154; prices, 155; imports and exports of, 156. See also Gram and Millet.

Gram, its area next to wheat, its yield, i. 59, 60; prices of, 155. See under Principal Crops in each District.

Grey (inundation) Canals, taking off from the Sutlej, i. 214, 215.

Guga, the snake-god, his popular cult and legend, i. 51.

Gugera, tahsīl of Montgomery District, ii. 13.

Guinea-worm, disease due to bad water, i. 186, ii. 143, 176, 191.

Gūjar Khān, tahsīl of Rāwalpindi District, ii. 169, 170.

Gūjars, a blackmailing, turbulent tribe, strongest in Gujrāt District, i. 282, 427,

428, ii. 114.

Gujrānwāla, District in Lahore Division, in the Rechna Doāb, ii. 90–108; the effect of the Chenāb Canal and Colony upon its former wastes, scanty population and poverty, 90 et passim; reputed healthy, 91; its mysterious depopulation before the close of the Mughal power, 91; the exceptional benefits of Sikh rule, 92; its export of grain, 96; its ample railways and roads, 96; the evils and final revision of its severe summary settlement, based on Sikh exactions, 97, 98; bibliography, 99, 100.

Gujrānwāla tahsīl, ii. 100.

Gujrānwāla town, head-quarters of District, on the railway and grand trunk, ii. 103, 104; its rapidly increasing trade and factories, 103; the birthplace and part tomb of Ranjīt Singh, with a mausoleum to his father, 103.

Gujrāt, District in Rāwalpindi Division, ii. 110-124; sub-Himālayan plain between Chenāb and Jhelum rivers, 110; its always bearable climate, 111; history, 111-113; Gūjars 15 per cent. of population, 114; its special industry of European furniture, 117, 123; bibliography, 120.

Gujrāt tahsīl, ii. 120.

Gujrāt town, head-quarters and trading centre of District, 122, 123; its famous battle, i. 33, ii. 123; the shrine of Shāh Daula, his viaduct, and home for human 'rats,' 122, 123.

Gula, sub-tahsīl in Karnāl District, i.

314.

Gurdāspur, submontane District in Lahore Division, ii. 57-75; generally healthy, 59; history, 59-61, 74; the Muhammadan sect of Ahmadiyās, 62; numerous Hindu and Sikh religious houses, 62; bibliography, 68.

Gurdāspur tahsīl, ii. 68.

Gurdāspur town, head-quarters of District, ii. 72, 73; its fort built by Banda (1712) and scene of his capture by Mughals, 73.

Gurgaon, District in the Delhi Division, i. 264-279; its malarious tracts, 265; history before and during Mutiny, 265, 266; castes and occupations, 267, 268; famines, 271, 272; its melancholy fiscal history, 272, 273; bibliography, 274.

Gurgaon tahsil, i. 274, 275.

Gurgaon town, near a temple to Sītlā, goddess of small-pox, i. 277, 278.

Gurkhas, the horrors of their invasion and subjection of Kāngra and Kulū, i. 341, 358, 379, repelled from Kāngra by Sikhs and Ranjīt Singh, i. 358, 379, 380, 389; their invasion of Sirmūr State (1815) repelled by British under Ochterlony, ii. 358; successfully resisted by Kanāwāris alone of the hill tribes of Kāngra and Kulū, 373.

Gurus (Sikh), the succession of, from the first Nanak (d. 1552) to the tenth and last, Govind (d. 1708), ii. 43, 44.

H

Hadiāya, town in Patiāla State, ii. 305. Hāfizābād, tahsīl of Gujrānwāla District, ii. 100, 101.

Hāfizābād town, the mart and railway station of Chenāb Colony, ii. 104.

Hājiwāh estate, in Multān District, ii. 238; services of the Khān in the Mutiny,