INDEX. 365

ture, 43, 44, 48, 49, 52-56, 101, 102; its characteristics, 54; the four paradises celebrated by the Persian poets, 54; parks of the Persian kings, 101.

Petrarch, his sonnet "on the death of Laura," 63, 64; revival of the study of

classical literature, 248.

Phoenicians, their position among the non-Hellenic civilized nations, on the shores of the Mediterranean, their colonies, commerce, and navigation, 119-139; use of weights and measures, and metallic coinage, 128; of alphabetical writing, 128, 129; extent of their navigation and caravan trade, 129-131, 136; amber trade, 121, 132.

Pharmacy, chemical, first created by the

Arabs, 211.

Philostratus, his mention of ancient paintings, 84.

Pigafetta, Antonio, nautical works of, 256– 258, 286, 289, 292.

Pindar, his descriptions of nature, 24. Pinturicchio, landscapes of, 87, 88

Pinzon, Martin Alonzo, his disputes with

Columbus, 257, 262, 263.

Plato, character of his descriptions of nature, 29-31; on landscape painting, 84; limits of the Mediterranean, 119; value of his doctrines in the Dark Ages, 176; misconceived dogmas, 241, 242; his ideas on attraction, 309, 310; on the structure of the universe, 314.

Playfair, 75.

Pliny the elder, his great work on Nature, 36; its arrangement and style, 195–197; on the locality of the amber islands, 131; his description of the ariena (banana) of India, 159; on the benefits of civilization, 185.

Pliny the younger, descriptions of nature in his letters, 32, 37, 38; on the "History of Nature," by his uncle, 195, 196.

Plutarch, notice of two Atlantic islands in his works, supposed to be Porto Santo and Madeira, 134; on the marks on the moon's disk, 193; work on "The Opinions of Philosophers," 311.

Poetry, modern, descriptive, and landscape, its defects, 80-82.

Polarization of light, discovery of, 332.

Polybius on the number of peninsulas in the Mediterranean, 120; on African and Indian elephants, 174.

Polygnotus, paintings of, 83.

Porsena, Lars, tradition on his tomb,

Porto Santo, 134, 135. See Plutarch. Portuguese heroic ages, impulses of, 65; faithful individuality of nature in their great epic poet, Camoens, 68, 71.

Posidonius, his comparison of the tides with the moon's supposed influence,

159 153.

Post, Franz, his paintings of South American landscapes, 90, 91.

Poussin, Gaspard and Nicholas, their landscapes, 89, 95.

Printing, invention of, 249. Prometheus, myth of, 144. Psalms, the, their sublime poetic feeling

for nature, 57, 58, 59.

Ptolemeus, Claudius, on the locality of Sapphara, 136, 137; influence of his Universal Geography, its merits and defects, 190–192; researches on optical refraction, 183, 193, 194; geographical and mathematical knowledge, 183, 187, 188; on the configuration of the Caspian, 192.

Ptolemies, the, important result of their rule in Egypt, 170-179; their intercourse with distant countries, 171-174; scientific expeditions, 174; peculiar character of the Ptolemaic period, 174; accessions to general knowledge, 176; to astronomical knowledge, 177-179; mathematical investigations, 179.

Ptolemy Philadelphus, his restoration of the canal of Darius Hystaspes, 173; sci-

entific researches, 173-175.

Punic, see Carthage, Phoenicians; Punic

work on agriculture, 185.

Pythagoreans, their views on the structure of the universe, 109; on the motion of the planets, 314-316.

Quatremère, Etienne, on the circumnavigation of Libya, 127; on the locality of Ophir, 137.

Quinsay, Chinese city, as described by Rubruquis, 249, 250; erroneous views of Columbus on its geographical locality, 268, 269.

Rachias, his embassy from Ceylon to Rome, 187.

Rafn, Christian, American antiquities of, 231, 233, 234.

Ramayana, Indian heroic poem, 50, 52, 53. Rameses Miamoun, king of Egypt, his expeditions, victories, and achievements, 124–126, 173.

Razes, Arabian chemist, 218.

Realists, school of, in the Middle Ages, 243. Red Sea, canal of, early attempts at its construction, 173.

Regiomontanus (Johann Müller), 255, 267, 305; on the anatomical dissections of Aristotle, 163; on the drawings of petrifactions by Scilla, 348; meteoroscope of, 255; astronomical ephemerides, 292.

Reisch, Gregory, Margarita Philosophica, 246, 297.

Remusat, Abel, researches on the Indo-Germanic races, 186.

Renaud, his researches on the intercourse of the Arabs and Persians with India,

Rey, Jean, one of the founders of pneumatic chemistry, 343; experiments by, 345.

Rhakotis, library of, 175.

Ritter, Carl, his monograph on incense, 204.

Romans, the, rarity of their poetic descriptions of nature, 29, their landscape paintings, 84-86; influence of their universal dominion, 180-199; extent of their empire and its diversity,