

tions, the stone, and the lask. A decoction of the roots drank in small quantity helpeth to spit up foul, mattery phlegm; &c.; the juice of the pressed root taken with honey, provoketh urine and remedieth pain in the bladder.

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## BOTANY OR PHYTOLOGY (Continued).

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The second great province of botany is to make a just and natural distribution and arrangement of vegetables into their various genera or kinds and classes, and to enumerate the species and individuals contained in each; to effect this, botanists have pursued different methods. For since the kinds of plants follow some general differences or characteristics, and these are also found in almost all parts of plants; therefore, some have began to define the various kinds of plants from their roots, others from their flowers, and others from their fruit, &c. The common and general distinction of plants and vegetables are, (1) Indigenous, or such as are natives of our own soil or country; (2) Exotics, such as are brought from foreign countries. With regard to sex, they are divided into male, female, and hermaphrodite plants, as before observed on page 28. With regard to their period of continuance, they are distinguished as annual or yearly, biennial for two years, and perennial or such whose roots abideth many years. Again, those plants which retain their leaves in winter are called evergreens, and such as do not are called deciduous or perdifols. Also vegetables are divided into herbs, shrubs and trees, but this is rather popular and common than just and philosophical. Lastly, with respect to the elements they grow in, they are aquatic or such as grow in water, terrestrial or such as grow on land, and amphibious or such as grow in either land or water. There has been adopted various methods of enumerating the species of plants. The method of Mr. Ray, in my judgment, is the best I know of; it is as follows, having twenty-five classes.

I. Submarine, or that which grows in the sea, and on rocks, &c., seem to want both flower and seed, as corals, sponges, &c.

II. The Fungi or mushrooms, puff balls, and those excrescences of trees called jews ear, agaric, &c., all which appear to want