in the flowers, other characteristics fixed and invariable, which; no Fromstance of soil or cultivation could alter. On these he seized; and according to these appearances he formed that elegant classification, which will be known by the name of the Linncean system;

while science remains an object of regard to the learned.

Botanists have divided all flowers into two classes termed simple flowers and compound flowers; but as this division is of little service to the beginner, the compound, being in general made up of a number of simple flowers; it is unnecessary to dwell long on this part of It is only requisite when giving a minute description of any plant, to mention any peculiar appearance which a compound flower exhibits and which is not observable in the simple flowers of which it is formed.

There are six principal parts in a flower which demand the attentive consideration of the Botanist. These are not all to be met with in every flower; but as they are very common and as some of them agre considered as essentially necessary to the propagation of plants, they merit closs attention. They are 1st The Empalement, 2d The Blossom, 3d The Chives, 4th The Pointals, 5th The seed vessel, 6th To these some writers have added other two parts called The Honey-cup and the Receptocle. But these are less frequently met with than the others, and form no essential character for

classification.

The Empalement, or Calyx as it is termed in the language of Botany, is the name applied to all those little leaves or envelopes which surround the outside of the flower, and which Linnœus considers to be formed by a continuation of the outer bark of the Plant. It is. commonly of a green colour; although not invariably so. Withering has enumerated seven different species of Empalements; but other writers on this subject have noticed only five and subdivided each of these into a number of varieties. Perhaps on a still nearer approach to simplifying the study, there will be found only four kinds of Empalements possessing sufficient distinctions to entitle them to be considered as different species .- The first is the cup called the Perianthum and which is that species of Empalement which immediately incloses the flower; and either includes one or more of them. varieties of this kind of Empalement, are founded upon the differences observable in its form, upon its duration and on its mode of decay. When the cup is composed of only one leaf it is called monophyllous, but when formed of more than one it is said to be Biphillous, or Triphillous according to the number of leaves of which it consists. When the edge of it is notched, it is said to be dentated or toothed; when the notches extend half its length they are called Fissures.

Another variety of this species of Empalement is formed upon their Some of them soon after the flower decays, wither and fall off the stalk in which case they are said to be deciduous. Others remain attached as long as the leaves when they are termed persisting Empalements. An example of the former is met with in the Limetree; and of the latter in the Henbane, &c. In some plants such as the Strawberry and the Mallow, the Empalement is composed of more