are attached, and from which the root is doveloped, is called the dicle, a term meaning "little root." As it is strictly, however, a rudimentary stem, and not a root, the term caulicle would be better. Between the eotyledons, at the summit of the radicle, you will find a minuto upward projection. This is a bud, which is known as the plumule. It developes into the stem.

65. If you troat a Pea or a Bean (Figs. 71, 72) in the same manner as the Cueumber seed, you will find it to be



eonstructed on the same plan. The embryo of the Bean is dicotyledouous also. But you will observe that in these cases the embryo occupies the whole of the interior of the seed. In describing the seed of the Buttereup, it was pointed out that the embryo occupies but a very small space in the seed, the bulk of the latter

eonsisting of albumen. Seeds like those of the Buttercup are therefore called albuminous seeds, while those of the Bean and Pea are exalbuminous. But, notwithstanding this difference in the structure of the seed, the embryo of the Buttercup, when examined under a strong magnifier, is found to be dicotyledonous like the others. In short, the dicotyledonous embryo is a character common to all the plants we have examined—common, as a rule, to all plants possessing the other characters enumerated above. From the general constancy of all these characters, plants possessing them are grouped together in a vast Class, called Dicotyledonous plants, or, shortly, Dicotyledons.

Figs. 71 and 72 - Seed of the Bean.