hardly like to engage duly to describe red campion. Yet the very sense of this vastness makes it ridiculous presumption for any man to dispose of my pretty flower, and to decide upon the systematists call it.

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rangement. undecided tastes, and do not attempt specially to attract the color-loving and butterflies, the æsthetic aristocrats of the insect world. Hence mostly white, and their calyx consists of five separate spreading pieces. They keep open house, as it were, for all comers without inquiry, displaying their pollen unprotected to whoever wants it, on the chance of a stray grain or two being earried by the insects from head to head. But the campions belong to a higher and more specialized department of the pink They and their ancestors have devoted themselves to bees, butterflies, and other developed flowerhunters, whose long proboseis is peculiarly intended to aid them in extracting the honey from deep tubular blossoms. Thus they have slowly acquired, by long selection, a structure means of these higher insect allies.

The outer covering of this campion the omne scibile of a solitary little here does not consist of separate green sepuls, like those of the stitchwort, which I have picked for comparison with it; its five pieces are the red campion altogether at a single | welded together into a swollen bellsitting. I must stop to look again at shaped tube—a campanular calyx, as Within the the meaning of at least the most tube, five large pink petals rise on salient points in its structure and ar- long claws, kept together in shape by the pressure of the calyx. Inside the The campions are pinks by family, linner passage formed by the petals and of course share all the main pe- lie the pollen-bearing stamens or the culiarities of the pinks generally. ovary with its embryo seeds, each in But the habit of the family as regards a separate flower, whereof "more its method of fertilization differs anon." Thus the pollen and the greatly from plant to plant, and has honey are concealed out of sight of impressed itself markedly upon their the useless small insects, and they can There is one great group of only be reached by the long probospinks which lays itself open to all the cis of the bee or the butterfly. To presmall flies and beetles of the world, vent ants, small beetles, and other who come and eat its pollen freely to honey-eating intruders from creeping their hearts' content. Of these, the up the stalk, and so rifling the neccommon chickweed and the white taries without doing any good to the stitchwort are familiar examples. plant in return, the stem of the cam-Most of them are petty, mean look-pion is covered with hairs, and it ing, inconspicuous, weedy plants, be- exudes a sticky, viscid gum, both of cause they lay themselves out for which peculiarities aid it in baffling mixed small deer of uncertain and the unwelcome wingless visitors; while the inflated ealyx and long tube effectually keep out all flying insects, except the few for whose visits the plants specially lays itself out. their petals are small, ragged, and as if so many precautions were not enough, the mouth of the tube, above the stamens, is furthermore obstructed by five little valves or scales, one being attached to the claw of each petal; and these scales can easily be craned over, like tiny walls, by the large and long proboscis of the bees or moths, but not by the little thieving flies against whose incursions the flowers are so anxious to guard themselves. Given the red campion, it is easy enough to evolve the white from it; but who can say. how many geological ages have gone to the evolution of that parent form itself from a single open blossom like the white stitchwort?

All these precautions for due crossexactly adapted to a surer and less fertilization are now actually in course wasteful mode of fertilization by of being followed up by another precaution yet more efficacious than any.