

species are yellow, blooming from August to October. Grows in grassy swamps in Cayuga, Haldimand County, and in Malden, Essex County. (MacLagan.)

In growing the following, which, save one, are annuals, or at most biennials, it will be necessary when gathering the seed, or before, to make careful note of the plants growing within reach of their roots, and to either secure seed of all of them or to transplant them to the border, so that the roots of the Parasite growing from the seed may have no difficulty in finding very soon the roots of the host.

*CASTILLEIA COCCINEA*, Sprengel. Scarlet Painted-Cup. This very showy scarlet-bracted annual or biennial grows in warm, sandy soil, from Belleville, Hastings County, to the Detroit River, and is in flower from May to July. Mrs. Traill in her studies of "Plant Life in Canada," says of it: "The whole plant is a glow of scarlet, varying from pale flame color to the most vivid vermillion." It used to be abundant on the banks of the Humber River, near Toronto, but it is gone; the beauty of it caused every

one to pluck it; so no seed could ripen. Thus it is with many of our wild wood beauties; they are fast disappearing.

See Fig. 1921, showing stem leaf and a separated flower.

*CASTILLEIA ACUMINATA* Sprengel. Lance-leaved Painted-Cup. This is perennial, the bracts are yellowish or greenish, white or purple, and is in bloom from June to August. It grows in moist soil on Michipicotin Island, and at the Hudson Bay Post, entrance to Nipigon River, Lake Superior. (Macoun.)

*DASYSTOMA PEDICULARIA*, Benth. Fern-leaved False Fox-Glove. A beautiful plant, both in foliage and flower; its numerous orange-tipped, half-opened buds, profusely scattered among the fully open, rich yellow blossoms give to it a very attractive appearance. It is yet abundant in the dry, light soil of the wooded banks of the Humber River, near Toronto; where it may be found in bloom in the month of August. Reported at the Niagara River and Burford Plains, Brant County.

See Fig. 3, an outline sketch of one side of a branch, showing an open flower and leaves.

*DASYTTOMA VIRGINICA*, Britton. Smooth False Fox-Glove. Is usually to be found in company with the species above named; it is of a more robust habit, foliage reminding one of that of the oak, hence the name given to it by Pursh, "Oakleaved." The flowers are large, an inch and a half to two inches



FIG. 1922—FALSE FOX GLOVE



FIG. 1921—SCARLET PAINTED CUP.