The vegetation consists broadly of a higher development of the vegetation of the inner grass plain—the scanty turf of the hollows becoming the broad expanse of meadow turf of the swales, and the juniper mats extending greatly with the addition of many young white spruces. So distinct are the turf of the swales and the juniper mats, with their trees, from one another, that there result glades and vistas of park-like and charming aspect, as shown especially well in fig. 8.

First in importance are the juniper mats, for they inaugurate the woods. These mais, composed either of large radiating patches of this plant, or else variously united and combined with patches of waxberry, Hudsonia, and blueberry, extend greatly in diameter, covering the crests as well as the slopes of the dune beaches, and thus form a woody net in the shelter of which several other forms, mostly markedly dwarfed, gain foothold. A typical example is shown in fig. 9. Some of the plants of the grass plain persist, especially the beach grass, pearly everlasting, and yarrow. The new forms which appear are, first of all, the common crowberry, Empetrum nigrum, and the rock cranberry, Vaccinium Vitis-Idaea minor, followed closely by the three-toothed cinquefoil, Potentilla tridentata, all of them plants characteristic of dry upland rocky situations. Less frequent are the little gentian, Gentiana Amarella acuta, and the large cranberry, Vaccinium macrocarpon, plants belonging to moist places. And when the mats are especially well developed there come in, as shown in fig. 9, the reindeer lichen, Cladonia rangijera, and a brown moss which I take to be the Aulacomnium palustre (so much more highly developed in the woods), another curious mixture of xerophytic and hydrophytic forms. We have therefore upon these juniper mats a very heterogeneous assemblage of forms drawn from diverse natural habitats all the way from rocky hills to bogs. They do not exist here, therefore, in virtue of adaptation to this position, but plainly represent those forms of the flora of this region whose adaptations happen to fit these conditions, or whose range of physiological toleration happens to be great enough to permit endurance of the conditions here. Of these matters we shall know more in the future, but their mention helps to emphasize how large an element of accident or incident