

cent; seeds 1-3
al zigzag wings
y Commission,

a stout, conical,
s are clustered,
exas, extending
, 32) is densely

inch to a span
, in some forms
ordate, broader
al pulvinus into
n. long, solitary
eaves; pedicels
obtuse; petals
es about equal-
; capsule erect,
ying greatly in
oves and num-
l elevations on
entire country;
veral of which
4.

al rootstock, the
llets narrower;
of stamens (or
exas and along

O. microphylla
known by that
d from *cornicu-*
y a fragmentary
n from the Tor-
tesy of Doctor
ill have to bear

rs. *O. Dillenii*,
al, or often per-
alrous to very
escence in lux-
nt 8 mm. long;
, but beginning
rous.

Jacquin, whose illustrations otherwise well represent our extreme form of *O. corniculata* and its variety *stricta*, figures the former without stipules, and the latter with rounded stipules, while the reverse is true.¹ Elongated acute stipules, such as Salisbury² and Sowerby³ figure, have not been observed in our specimens, but can readily be conceived as resulting from the prolongation of the acute outer angle of such truncated stipules as some of our plants possess. The pubescence of most forms of this species consists of spreading or appressed unicellular pointed hairs, with thick verrucose walls, intermingled with which are a very few blunt hairs consisting of a single row of smooth, thin-walled cells. In var. *stricta* the pointed rough hairs are abundant on the leaflets, pedicels, etc., but they are commonly less numerous on the lower part of the stem and petioles. Where these are hairy (and they are extremely villous in some plants growing in shaded places), the pubescence often consists almost exclusively of the thin-walled hairs, which are often of unusual length, and easily show their septate character under a hand-lens; the same is sometimes true of the capsules.

5. *O. SUKSDORFII*, n. sp. *O. corniculata*, Gray, Proc. Amer. Acad., VIII, 378. Perennial from a slender creeping rootstock, slender-stemmed, erect, a span or two high, more or less pilose, or loosely villous; leaves estipulate, long-petioled, trifoliate, leaflets deeply obcordate, with unequal lobes as much as 25 mm. wide; flowers mostly paired on long axillary peduncles, heterogone-trimorphic, bright yellow; bracts subulate; sepals obtuse, downy; petals thrice as long as the calyx, 15 mm. long, wavy-margined, not emarginate. Fruit not seen, but presumably as in *O. corniculata*.—In woods; Oregon (*Nuttall, Hall, Henderson, Suksdorf*); collected in June by Mr. Suksdorf.

6. *O. RECURVA*, Elliott, Bot. S. Car. and Georgia, I, 526. Annual (?) or perennial from a slender rootstock, erect, simple, 1-2 ft. high, glabrate or somewhat soft-villous; leaves long-petioled, estipulate; leaflets large, as much as 60 mm. wide, broadly obcordate with a shallow sinus, somewhat pubescent and ciliate, narrowly margined with brown-purple; flowers umbellate or subcymose, 12-15 mm. long, yellow, brown-striate at base, heterogone-trimorphic; otherwise similar to *O. corniculata*, var. *stricta*.—Open woods, etc. Carolina (*vide Elliott*), to Pennsylvania (*Carey*), west to Ohio (*Lea, Lloyd*) Indiana (*vide Barnes*, Bot. Gaz., II, 21) and Tennessee (*Gattinger*). Flowering from May to June or the early part of July.—Pl. II, fig. 6.

Elliott based his description on the short-styled plant, which he says is "very common near Charleston, intermingled with *O. stricta*, with which it has been confounded." Carey, whose specimens, so far as I have seen them, were all long styled, regarded it as *O. Dillenii*, from which, however, it is quite distinct, judging from the figure, in Dillenius's Hort. Ethel., II, Pl. 221, on which the latter is based, and a single flower of the original of the figure, kindly secured for me, at Oxford, by Dr. Gray. Lea, who appears to have studied it carefully about Cincinnati, contributed a suite of specimens, representing the three forms of flowers, to Torrey, but was apparently misled into considering the length of stamens and pistil merely variable, trimorphic heterogony not having then been discovered. I am indebted to Mr. C. G. Lloyd for a suite of specimens from the vicinity of Cincinnati.

¹ Oxalis Monogr., Pl. 4-5.

² Trans. Linn. Soc., II, Pl. 23, fig. 5.

³ English Bot., Pl. 1726; Third ed., Pl. 321.