

Original locality: Kamassa prairies.

Type in Herb. Col. Coll.

28. LATHYRUS DECAPHYLLUS Pursh, Fl. Am. Sept. 471 (1814).

Vicia stipulacea Pursh, Fl. Am. Sept. 739 (1814).

Lathyrus polymorphus Nutt. Genera, 2: 96 (1818).

Lathyrus myrtifolius Spreng. Syst. 3: 264 (1826), not of Willd.

Orobis polymorphus Alefeld, Bonplandia, 9: 146 (1861).

Idaho, Colorado, Arizona and New Mexico.

Original locality: Banks of the Missouri River.

This species is very close to *L. ornatus* and differs from it chiefly in the size of the plant and its leaflets and in geographic distribution. Intermediate forms occur.

29. LATHYRUS NUTTALLII S. Wats.; Proc. Am. Acad. 21: 450 (1886).

Lathyrus venosus Muhl., var. δ . T. & G. Fl. N. A. 1: 274 (1838).

British Columbia, Washington, Oregon, California.

Original locality: "Upper California," Nuttall.

Type in Herb. Col. Coll. Duplicate in Gray Herb.

This species is very close in general appearance to *L. obovatus* but the distinction has been drawn on its being somewhat stouter, the leaflets narrower, and usually 4 pairs instead of 3 pairs, flowers smaller and purple instead of ochroleucous, and rachis tendrill-bearing. Both species were formerly referred to the Eastern *venosus*, which, however, so far as I know, does not occur west of the Rocky Mountains.

30. LATHYRUS OREGONENSIS n. sp.

Sparingly pubescent throughout, erect, 20-40 cm. high, flexuous, stem terete or quadrangular, wingless, rigid; stipules narrowly semi-sagittate or semi-hastate, acuminate at each end entire, the lower lobe often quite short, $\frac{1}{3}$ - $\frac{1}{4}$ the length of the adjacent leaflets; leaflets mostly 4-7 pairs, opposite, lanceolate, obtuse, 1.5-4.5 cm. long, 2-8 mm. broad, coriaceous, sparingly pubescent on both surfaces; tendrils short, branched or reduced to a bristle; raceme 3-8-flowered, shorter than the rachis of its leaf; flowers apparently purple and veined, 1-1.5 cm. long; pedicel about the length of the calyx-tube; calyx-teeth subequal, the upper slightly shorter, all shorter than the tube; calyx-tube dilated, pubescent, purplish at base; legume compressed, abruptly ter-

minated at apex, short-stipitate within the calyx, brown, 4-5 cm. long, $\frac{1}{4}$ as broad, 4-6-seeded; seeds brown, orbicular. April-June.

Oregon, at 3,000-4,000 ft. altitude, W. C. Cusick (1886), n. 1372; Falcon Valley, Washington, low dry grounds, W. N. Suksdorf (1885).

Types in Herb. U. S. Dept. Agric.

31. *LATHYRUS BIJUGATUS* n. sp.

Erect or slightly decumbent, 2-3 cm. high, glabrous throughout; stems slender, wingless, round or quadrangular, slightly flexuous; stipules minute, linear, subulate, semi-sagittate; leaflets 2 pairs, sometimes only 1 pair, elliptical to obovate, obtuse, thin, paler green beneath, 2-5 cm. long, $\frac{1}{2}$ - $\frac{1}{3}$ as broad; tendrils none or reduced to a very short bristle; raceme two-flowered, about the length of the rachis of its leaf; flowers purplish, about 1 cm. long; calyx-teeth very short, triangular, subequal, much shorter than the tube; legume brown, compressed, about 6-seeded. June.

Idaho, Latuh Co., J. H. Sandberg, 1892; Washington, between Colville and Spokane, Wilkes' Exp. (n. 572).

Type (1) in Herb. Col. Coll.; (2) in Herb. U. S. Dept. Agric.

31a. *LATHYRUS BIJUGATUS* SANDBERGI n. var.

Leaflets linear-lanceolate or spatulate, 5-9 cm. long, 1-2 mm. wide. Resembles extremely closely *L. tenuifolius* Roth, a species of the Mediterranean region.

Latuh Co., Idaho, J. H. Sandberg, 1892.

Type in Herb. Col. Coll.

32. *LATHYRUS TORREYI* A. Gray, Proc. Am. Acad. 7: 337 (1868.)

Lathyrus villosus Torr., Stevens' Pac. R. R. Rept. 4: 54 (1859), name only, not of Frivalds.

Washington, Oregon and California.

Original locality: Humboldt Co., Cal., Bolander (n. 6506) 1866.

Type in Herb. Col. Coll.

33. *LATHYRUS LITTORALIS* Endl. in Walp. Rep. 1: 722 (1842).

Astrophia littoralis Nutt.; T. & G. Fl. N. A. 1: 278 (1838).

Orobus littoralis A. Gray; Stevens' Pac. R. R. Rept. 4: 54 (1859).

Washington, Oregon and California.

Original locality: Oregon.

Types of *Astrophia littoralis* and *Orobus littoralis* in Herb. Col. Coll.