

Fig. 4, upon which no oogonia have developed. Cases like that shown in Fig. 3, however, and another case observed (of which, unfortunately, no camera-lucida sketch could be secured), which bore a whorl of six antheridia, exactly corresponding in position to the normal oogonia, belong certainly to type 3, as given.

Astragalus Blakei n. sp.—*A. Robbinsii borealis* n. var. in MS. and herbarium, 1894.

A. Robbinsii Gray's Man., 2nd ed. (1856.)

A. alpinus L. Gray's Man., 3rd ed. (1862.)

Perennial, few to many stemmed, from a fibrous knotty root deeply fixed in the cliffs.

Stems 3–5^{dm} high, erect, sometimes slightly decumbent at base, sparsely pubescent, slightly angular, twisted, striate.

Stipules erect, upper ones becoming deflexed, triangular ovate, acute or obtuse, 4–6^{mm} long; leaves 3–10^{cm} in length, with from 5–8, generally 6–7, pairs of leaflets; leaflets opposite or nearly so, on petioles about 2^{mm} long, oblong, elliptical, the middle ones larger and the upper ones generally decreasing in size faster than the lower, obtuse and frequently emarginate, green and glabrous above, mealy pubescent beneath, with white appressed hairs, becoming more glabrous with age.

Peduncles one or two, 10–25^{cm} in length, very erect, twisted striate, nigrescently pubescent.

Raceme ovate, becoming oblong and loose, 5–15 flowered.

Flowers about 8^{mm} long, pedicels often equalling or exceeding the length of the calyx.

Bracts linear, acute about half as long as the pedicels, calyx tubular campanulate, nigrescently hairy, the linear bluntish teeth more hairy and one-third the length of the calyx. Corolla strongly resembling that of *A. Robbinsii*, light violet or sometimes white with the keel tinged with violet or purple. Legume 8–25^{mm} in length, horizontal, triangular-turgid, oblong and obtuse or acute at both ends.

Stipe shorter than calyx, thickly pubescent with whitish or nigrescent hairs slightly transparent, tipped with the recurved persistent style, both sutures curved, dorsally sulcate, often but slightly so, 4–8-seeded.

Type stations: Willoughby Mt., Smuggler's and Nebraska Notches, Vt., Willoughby Mt., Westmore, Vt. Rev. Joseph Blake (previous to 1856), etc. Smuggler's Notch, Mt. Mansfield, Stowe, Vt., C. G. Pringle, etc., Nebraska Notch, Mt. Mansfield, Underhill, Vt., C. G. Pringle and F. H. Horsford. Fort Kent, St. John River, Maine, Miss Kate Furbish.

Specimens of the Rev. S. R. Butler from Forbeau, Labrador, of J. Macoun from the western mountains, and of W. H. Dall from Alaska appear to be of this species.—W. W. EGGLESTON, Rutland, Vt.



Eggleston, W. W. 1895. "Astragalus Blakei n. sp." *Botanical gazette* 20(6), 271–271. <https://doi.org/10.1086/327204>.

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