

of frequent occurrence in the British Possessions. But I believe I am not singular in thinking that it may be a variety of *N. albus*, to which *N. cordatus* and *altissimus* are too closely allied; from which again our *N. alatus* is chiefly to be distinguished by its winged petioles. *Prænanthes virgata* of Michaux, *P. rubicunda* of Willdenow, and *P. simplex* of Pursh may perhaps, with equal safety, be referred to *N. albus*.

### 3. LYGODESMIA. Don.

*Involucrum* pentaphyllum, tubulatum, basi squamulis plurimis brevissimis imbricatis munitum, foliolis ligulatis carinatis margine scariosis. *Receptaculum* scrobiculatum. *Flosculi* 5. *Antheræ* basi bidentatæ. *Achenia* linearia compressa sulcata apice simplicia. *Pappus* capillaris: radiis multiplici ordine copiosissimis (vel paucis) denticulato-scabris (plumosisve) subpersistentibus.—Suffrutices (seu herbæ) Amer. Bor. et Syriae, facie Ephedræ, ramosissimi aphylli (in *L. juncea* evidentissime foliosi) squamis (foliorum rudimentis) subulatis, patulis sparsis. Flores solitarii sessiles. *Pappus carnosus fuscescens*. Don.

1. *L. juncea*; caule ramosissimo striato, foliis lineari-subulatis, pappi pilis numerosissimis scabris. (TAB. CIII.)—Don, in *Ed. N. Journ. of Sc.* 1829. p. 311.—*Prænanthes juncea*. Pursh, *Fl. Am. v. 2.* p. 498.

*Radix* subfusiformis, longa, ut videtur, perennis. *Caulis* erectus vel subdecumbens, herbaceus, pedalis ad bipedalem, per totam longitudinem ubique valde ramosus, striatus, subglaucus, ramis erectis vel flexuosis, longis, subvirgatis. *Folia* alterna, fere omnino ad insertionem ramorum, rigida, subglauca, lineari-subulata, striata, integerrima, sessilia sed non amplexantia; inferiora 2 uncias longa, superiora sensim minora. *Rami* ultimi, seu pedunculi, graciles, uniflori, bracteis seu foliis parvis subulatis suffulti. *Flores* terminales, unciam longi, cærulei. *Involucrum* cylindraceum, e foliolis 5, erectis, lineari-oblongis, membranaceis, margine subscariosis, basi squamosis; squamis erectis, imbricatis, brevibus. *Flosculi* 5, majusculi. *Corolla* ligulata, lata, 5-dentata. *Staminum* tubus elongato-cylindraceus: *Antheræ* basi utrinque breve calcaratæ. *Stylus* inclusus. *Stigmata* exserta, linearia, erecto-patentia, glanduloso-pubescentia. *Achenia* oblonga, striata, ad orem dilatata. *Pappus* sessilis e pilis numerosissimis sub lente scabris.

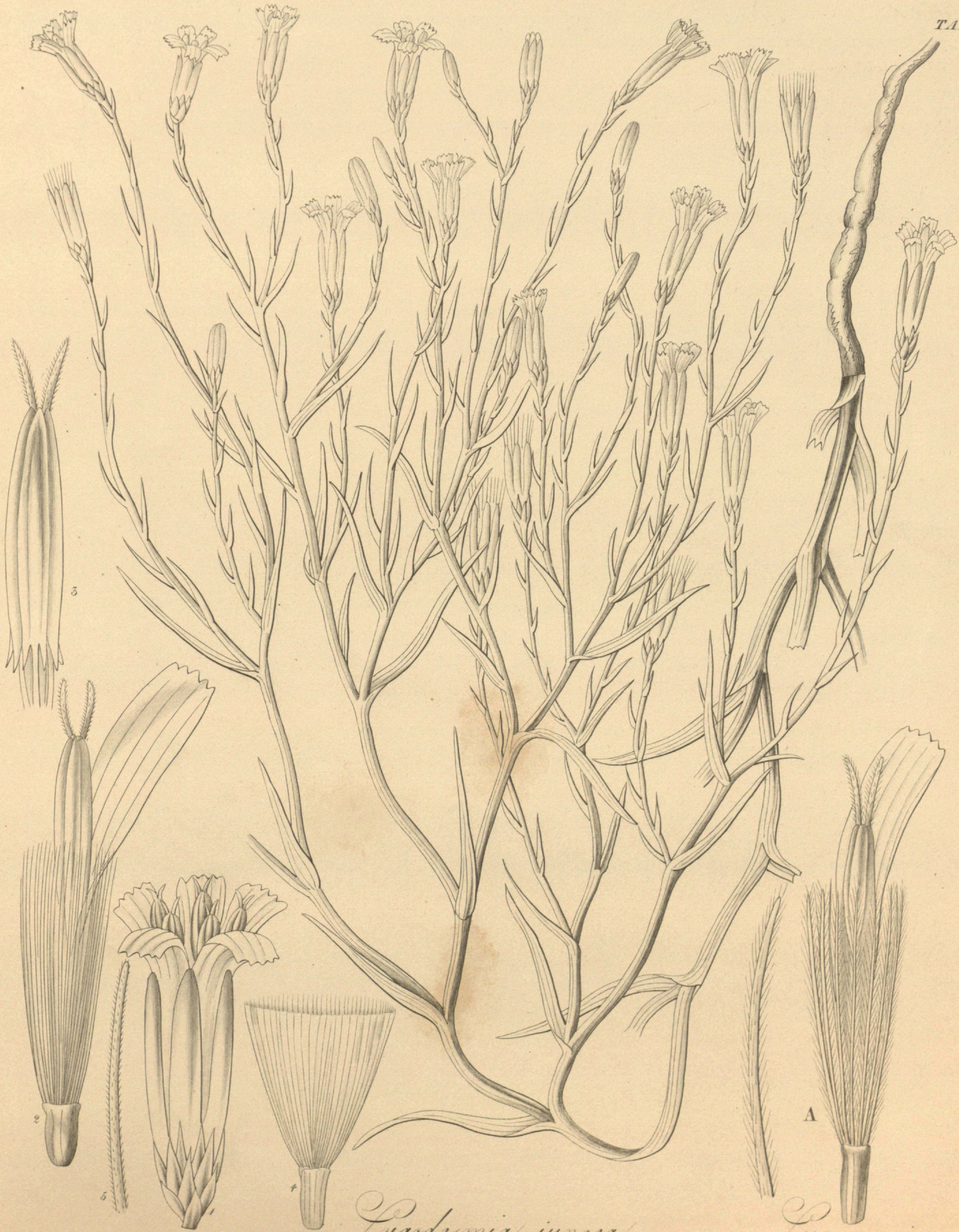
HAB. Dry plains of the Saskatchewan. Drummond.—There is a peculiarity in the habit of this plant, as Mr. Don justly observes; and I have adopted that Botanist's genus and character of *Lygodesmia*, including, indeed, the *Prænanthes triquetra* of Labillardière, a Syrian plant, with which I am unacquainted. The American *P. pumila*, Baldw. mentioned by Don, (I presume the *P. aphylla* of Nuttall, *Nov. Gen. v. 2.* p. 123,) is equally unknown to me. With the exception of the leaflets of the involucre not being carinated in our *L. juncea*, it agrees in every point with Mr. Don's *Lygodesmia*: but a second species, next to be mentioned, has a pappus of a very different character, yet is unquestionably the same genus. In neither, however, can the stems be said to be leafless, nor can they be compared to those of *Ephedra*.

TAB. CIII. *L. juncea*. Fig. 1, Flower; fig. 2, Floscule; fig. 3, Anthers and stigmas; fig. 4, Achenium; fig. 5, Portion of the hair of an achenium:—magnified.

2. *L. minor*; caule ramosissimo obscure striato, foliis lineari-subulatis brevibus, pappi pilis sub-16 plumosis.—(TAB. CIII. f. A. quoad fruct.)—*Prænanthes juncea*. Douglas, MSS. in *Herb. Hort. Soc.* (non Purshii.)

HAB. On gravelly or sandy banks of the Columbia, near Wallawallah, frequent. Douglas.—This is, according to Mr. Douglas, 1–2 feet high. The specimens I possess scarcely exceed 10 inches, and the leaves and flowers are smaller than those of the preceding species; yet in every other respect the plants are so similar that it is scarcely possible to distinguish them until the pappus be examined. This is totally different from that of *L. juncea*; for whereas there it is composed of an infinity of very slender, tawny, and merely scabrous hairs, here it consists of about 16 feathery hairs.

TAB. CIII. A. Flower and portion of a hair from the pappus of *Lygodesmia minor*.



*Lygodesmia juncea.*

*Lygodesmia minor*

W. J. H. del.

Swan Sc.