

Descriptions of New Chinese Plants, chiefly by STEPHEN TROYTE DUNN, B.A., F.L.S., with an Introductory Note by CHARLES HENRY WRIGHT, A.L.S. (Contributed by permission of the Director of the Royal Botanic Gardens, Kew.)

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A LARGE collection of plants made by Dr. A. Henry in Yunnan, and presented by him to Kew in 1900, was (together with Chinese plants from other sources) in process of determination by Mr. S. T. Dunn, F.L.S., when he was appointed Superintendent of the Botanic and Afforestation Department, Hongkong. The following paper contains Mr. Dunn's descriptions of the species in these collections which he regarded as new; but as some of them were originally drawn up with a view to publication elsewhere, they have been amended so far as was necessary to make them conform to one plan. It had been intended that Mr. W. Botting Hemsley, F.R.S., should write an introduction to this paper, but the pressure of other work has prevented this intention being realized.

Some of the species call for special mention. Of *Magnolia Henryi*, Dunn, only a single tree was seen, and that in such bad condition as to suggest the idea that it was a sole survivor. *Bombax tenebrosum*, Dunn, was also only met with as a solitary tree, but Dr. Henry was able, by sending back collectors at various seasons, to obtain specimens of both flowers and fruit. Its white petals are $4\frac{1}{2}$ in. long by nearly 1 in. broad, and are densely pubescent on the back.

A fourth species is added to *Euchresta*, Benn. Of those previously known, one extends from Khasia, Java, and the Philippines to Formosa and the Luchu Archipelago, while the others are confined to Japan and China respectively.

Two new species of *Cryptotaniopsis* are here described, bringing the number now known up to nine. This genus (originally proposed by Franchet as a subgenus of *Carum*) is one of the few Umbelliferae in which the secondary branching of the inflorescence is cymose instead of umbellate. A similar structure occurs in *Pternopetalum*, Franch., which differs in having the fruit much laterally compressed and winged.

In the Journal of the Linnean Society, Botany, xxiii. (1886-88) pp. 449-458, thirty-five species of *Senecio* are recorded from

Crepis rapunculoides, *Dunn*; a *C. racemifera*, *Hook. f.*, capitulis magnis nutantibus distincta.

Herba perennis, pedalis, glabra, rhizomate parvo, conico. *Caulis* striatus, simplex. *Folia* chartacea, inferiora ovata, gradatim acuta, basi subito in petiolum alatum contracta, $\frac{1}{2}$ – $1\frac{1}{2}$ poll. longa, denticulata, petiolo $1\frac{1}{4}$ poll. longo, superiora lanceolata vel linearia, integra, sessilia. *Capitula* racemosa, pendula, $\frac{1}{2}$ poll. lata, pedunculo pluribracteato, 1–2 lin. longo; receptaculum nudum. *Involucrum* 6–7 lin. longum; bracteae exteriores breves, laxae, lineares, interiores uniseriatae, lineari-oblongae, acutae. *Flores* flavi, 9–10 lin. longi. *Achænia* immatura glabra, apice contracta.

SZECHUEN: Tachienlu, *Pratt*, 449.

Lactuca Henryi, *Dunn*; a *L. sororia*, *Miq.*, achæniis foliisque sessilibus distincta.

Herba elata. *Caulis* fistulosus, foliosus, striatus, glaber. *Folia* sessilia, papyracea, utrinque sparse setosa, media ambitu ovata, pinnatifida, 4–7 poll. longa, lobis paucis ovatis obtusis, sinibus angustis, terminali ovato acuminato, superiora lanceolata integra. *Capitula* paniculum magnam formantia; pedunculi bracteolati, setoso-pubescentes, floribus sæpe longiores. *Involucrum* pluriseriatum, 6–7 lin. longum; bracteae lineari-lanceolatae, acutae, exteriores paucae, gradatim breviores. *Flores* violacei (?), 9 lin. longi. *Achæmium* 4–5 lin. longum, oblongum in rostrum attenuatum, rubrum, rostro pallido, duplo brevior, compressum, obtuse costatum, puberulum; pappo albo.

YUNNAN: Puerh, at 4500 ft., *A. Henry*, 13494.

Lactuca humifusa, *Dunn*; *L. stoloniferam*, *A. Gray*, referens, sed foliis majoribus sinuatis vel angulatis, achæniisque setulosis distincta.

Herba stolonifera, stolonibus ex caulium basi axillisque orientibus. *Caules* plures, debiles, prostrati, glabri. *Folia* petiolata, membranacea, sparse puberula vel glabra; inferiora nonnulla runcinata, lobis lateralibus paucis, oblongis, acutis, vel ad dentes in petiolis alatis reductis, lobis terminalibus magnis, $2\frac{1}{2}$ – $3\frac{1}{2}$ poll. longis, rotundatis, subcordatis, angulato-vel sinuato-dentatis (dentibus apiculatis), quam folia tota 2–3-plo brevioribus; inferiora cetera superioraque lobis his terminalibus conformia,

minora, minus cordata; suprema basi cuneata. *Capitula* 7-9 lin. diam., in corymbis paucifloris laxis attenuatis disposita; pedunculis brevibus vel longissimis. *Involucrum* 4-5 lin. longum; bracteae glabrae, uniseriatae, cum exterioribus perpaucais setaceis, obtusae. *Flores* flavi, 7-8 lin. longi. *Achenia* immatura ad apicem attenuata, costis setulosis; pappo albo.

HUPEH: Patung district, *A. Henry*, 4761; SZECHUEN: South Wushan, *A. Henry*, 5762. "A cliff plant remarkable for its spreading stolons which sometimes cover the ground."—*Henry*.

Lactuca Prattii, *Dunn*; a specie bengalense *L. flicata*, *Duthie*, floribus parvis, foliisque supremis integris distinguenda.

Herba perennis, praeter inflorescentiam nonnunquam setulosam glabra. *Caulis* saepius simplex, foliatus, striatus, bipedalis. *Folia* ambitu lanceolata, runcinato-pinnatifida, 4-7 poll. longa, lobis fortiter reflexis linearibus, acutis, rarius paucidentatis vel lobatis, terminali angusto; inferiora alato-petiolata, petiolo basi lato semiamplexicauli; superiora sessilia, caulem auriculis magnis amplectentia; suprema linearia integra. *Capitula* 2-4 lin. diam., anguste paniculata; pedunculi saepius floribus breviores, paucibracteolati. *Involucrum* pluriseriatum, 4-5 lin. longum; bracteae lineari-oblongae, obtusae, exterioribus paucis gradatim brevioribus. *Flores* violacei (?), 5-6 lin. longi. *Achenia* 2½ lin. longa, oblonga, abrupte breviter rostrata, rubra, cum rostro pallido, striata, compressa, margine setulosa; pappo albo.

SZECHUEN: Tachienlu, *Pratt*, 502, *Soulié*, 608; Tongolo, *Soulié*, 369.

Lactuca umbrosa, *Dunn*; a *L. macrorhiza*, *Hook. f.*, caule aphylo vel unifoliato differt.

Herba subscaposa, biennis, glabra. *Caulis* simplex, 1-0-foliatus, fistulosus, striatus, 1½-4½ ped. altus. *Folia* petiolata, membranacea, nunc runcinata, lobis lateralibus paucis ovatis obtusis vel ad dentes in petiolis alatis reductis, lobis terminalibus, magnis, 2-3 poll. longis, ovato-sagittatis vel triangularibus, anguloso- vel sinuato-dentatis, dentibus apiculatis, quam folia tota 2-3-plo brevioribus, nunc lobis carentia. *Capitula* 4 lin. diam., pauca vel numerosa, paniculata, pedunculis bracteolatis breviora. *Involucrum* pluriseriatum, 4-6 lin. longum; bracteae lineari-oblongae, obtusae, exteriores paucae gradatim breviores. *Flores* purpureo-rosei, 5-7 lin. longi. *Achenia* rubra, linearia,