

2½ mm. long, glabrous, smooth; styles 3, long, filiform, about 6 mm. long.

Nom. Jap. *Daisen-otogiri* (nov.).

Hab. Prov. HÔKI: Summit of Mt. Daisen (YASUHIKO ASAHINA and KIYOTAKA HISAUCHI! 1926.).

This species differs from *H. erectum* THUNB. by having the much smaller and tufted stems, shorter leaves, larger flowers, and normal dichasium. It is also different from *H. fujisanense* MAKINO, which has the narrower and all black-dotted leaves, and from *H. senanense* MAXIM. which has the all pellucid-dotted leaves.

***Cirsium pendulum* FISCH. var. *albiflorum* MAKINO, nov. var.**

Flowers white.

Nom. Jap. *Shirobana-takaazami* (nov.).

Hab. MUSASHI: Shimura (T. MAKINO!).

***Cirsium dipsacolepis* (MAXIM.) MATSUM. Shokubutsu Mei-i (1895), p. 82.**

Tap-root perpendicularly descending in ground, laxly with short rootlets, attaining about 25 cm. long and 2 cm. or more in diameter, simple or little ramose, terete, whitish externally, white within, with a special odour, not hard, with thick bark. Stem erect, loosely ramose above, terete and more or less striate, green above, dark-purple below, thinly arachnoid with soft white hairs. Leaves alternate, petiolate, but sessile in the superior ones, pinnatiparted, but the superior ones pinnatifid or spinoso-dentate, nearly glabrous except the veins, herbaceous, green and often shaded with purple above, paler and loosely elevato-nervate beneath; lobes spreadingly erect-patent, loosely arranged, often very remote in the lower, ovate, spinoso-acute at the apex, often few-lobulate, repand-dentate and thinly spinulose; petiole slender, canaliculated in front, rounded dorsally, thinly pubescent, purple; radical leaves long-petiolate, tufted, dilated and embraced at the base. Head solitary on the top of the main stem and branches, with a few small lanceolate spinoso-acuminate and spinoso-margined leaves under it. Involucral-scales numerous, imbricated, glabrous, arachnoid-ciliated below, herbaceous, green and shaded with light purple, dilated and closely embracing each other below, the upper portion subulato-lanceolate, patent or reflexed-patent, about 2-4 mm. broad.

Nom. Jap. *Mori-azami*, *Yabu-azami*.

Hab. JAPAN.

In the Hongô-mura near Iwamura, prov. Mino, this thistle is often cultivated for its edible roots, bearing the local name of *Yama-gobô* (meaning Mountain Burdock), and so called *Sambe-gobô* in the Mt. Sambe, prov. Iwami, is also the same species.

***Lactuca stolonifera* BENTH. var. *sinuata* MAKINO, nov. var.**

Leaves deeply pinnato-sinuate with orbicular, oval, or elliptical few lobes.

Nom. Jap. *Kikuba-dzishibari* (nov.).

Hab. JAPAN, rather rare.