

tured. Sporules oblong, 20—30 x 8—10 μ , rounded at the ends, hyaline, filled with granular matter.

On dead limbs of *Cornus paniculata*. London, Canada, May, 1893. Herb. D., No. 2099.

This differs from *Phoma Corni*, Fekl., and *P. Corni Succiv* (Fr.), in its much larger sporules.

DENDROPHOMA POARUM, E. & D.

Perithecia erumpent superficial, papillate, hemispheric to conical, 150 to 200 μ in diam. Sporules oblong-fusoid, hyaline, with a small nucleus in each end, 10—12 x 2—2½ μ , terminal and lateral on dichotomously branched basidia, 20 x 1½ μ .

On culms and inflorescence of *Poa Annuu*, London, Can., June, 1894. Herb. D., No. 2266.

VERMICULARIA SAMBUCINA, E. & D.

Perithecia gregarious, numerous, erumpent, hemispheric-depressed, 90—180 μ , thickly beset with dark brown, short bristles 40—100 μ , mostly about 45 μ . Sporules hyaline arcuate-fusoid, nucleolate, 24 x 3—3½ μ .

On dead young stems of *Sambucus* sp., London, Can., Aug., 1895. Herb. D., No. 2310.

DIPLODIA THALICTRI, E. & D.

Perithecia sub-gregarious, sub-cuticular, depressed-spherical or elliptical, small, 150—200 μ , visible through the thin epidermis which is raised into pustules and pierced by the papilliform, soon deciduous ostiola. Spores oblong-cylindrical, obtuse, 1-septate, pale brown, not constricted, 8—10 x 3½ μ .

On dead stems of *Thalictrum polygamum*, London, Can. Herb. D., Nos. 2211 and 2296.

ASCHOCHYTA LEONURI, E. & D.

Spots 1—1½ mm., numerous, thin, appearing as if the tissue were eaten out by a minute leaf-miner; round or angular, small, becoming confluent and then causing the part of the leaf to drop out. Perithecia 150—170 μ , visible from both sides of the leaf. Sporules oblong-cylindrical, uniseptate, pale, 14—17 x 3½—4 μ .

Perithecia larger and spores different, otherwise like *Phyllosticta decidua*, E & K.

On leaves of *Leonurus cardiaca*, L., London, Can., July, 1893. Herb. D., No. 2160.

HENDERSONIA DISCOSIODES, E. & D.

Spots deep red-brown, definite, sub-orbicular or irregular in shape, 2—10 mm. in diam. Perithecia epiphyllous, discoid, about ½ mm. diam., bordered by the ruptured epidermis, black. Sporules oblong or clavate-oblong, 3-septate and slightly constricted at the septa, smoky-hyaline, 14—16 x 4—5 μ , on slender pedicels about as long as the sporules. The spots finally become whitish in the centre.

On leaves of *Crataegus* sp., London, Can., Aug., 1893. Herb. D., No. 2186.

H. foliorum, Fekl., has curved, darker sporules than this species.

HENDERSONIA OSTRYGENA, E. & D.

Perithecia scattered, about ½ mm. in diam., buried in the bark which is blackened over them and raised into pustules pierced by the minute ostiola. Sporules oblong, 3-septate, not constricted, brown, obtuse, 10—12 x 4 μ , exceptionally with one cell divided by a longitudinal septum.

On dead limbs of *Ostrya Virginica*, London, Can., May, 1893. Herb. D., No. 2170.

CAMAROSPORUM ULMI, E. & D.

Perithecia gregarious, sub-globose, about ½ mm. in diam., soft, slate-colour in-